Author Index for Volume 19

Abe K, Sato M, Imai Y, Ito T, Haruyama T, Sato K, Hiwatari M, Yoshinago K: Renal kallikrein-kinin: Its relation to renal prostaglandins and renin-aldosterone in man 869
Abitbol C, Jean G, Broyer M: Urea synthesis in moderate experimental uremia 648
Abourizk N (abst) 150
Abraham A (abst) 189
Abreo K (abst) 178
Abu-Hamdan DK (abst) 140
Achkar M (abst) 391
Adams DA (abst) 108, 126
Adams FF (abst) 144
Adams FG: *see* Mackay et al 49
Adams ND (abst) 108, 113, 114, 116
Adams P (abst) 124
Adelstein J: *see* Procci et al 317
Adkinson JT (abst) 117
Adler S (abst) 110, 121
Agus ZS (abst) 261
Ahluwalia MPS (abst) 140
Ahmad S (abst) 140
Ahmed U (abst) 190
Aid J (abst) 161
Aikawa M (abst) 173
Aisenbrey G (abst) 167, 229
Aithal HN (abst) 219
Akaydin M (abst) 103
Akkaya S (abst) 103
Akmal M (abst) 194
Alavi N (abst) 131, 141, 155
Al-Awqati Q (abst) 236, 238
Al-Bander H (abst) 237
Albright PW (abst) 229, 240
Alcock NW (abst) 198
Alcorn D, Emslie KR, Ross BD, Ryan GB, Tange JD: Selective distal nephron damage during isolated kidney perfusion 638
Alday M (abst) 216
Alexander EA (abst) 231, 242
Alfrey AC (abst) 127
Ali M (abst) 141
Al-Kudsi RR (abst) 141
Allen GG, Barratt LJ: Effect of aldosterone on the transepithelial potential difference of the rat distal tubule 678
Allen GG, Barratt LJ: Electrophysiology of the early distal tubule 24
Almkuist RD (abst) 118
Alpern RJ (abst) 229
Alpert H (abst) 114, 209, 215
Amair P (abst) 217
Aman LC (abst) 141
Amend W (abst) ..... 163, 264, 266(2), 271
Amos DB (abst) 271
Anastassiades E (abst) 619
Anderson C: *see* Rosenbaum et al 568
Anderson FP: *see* Siegel et al 454
Anderson J (abst) 171
Anderson JE (abst) 169
Anderson RJ: *see* Gross et al 839
Anderson RJ (abst) 201
Andreoli TE (abst) 244
Andres G (abst) 183, 188
Andres GA (abst) 192
Andrews CA (abst) 167
Andrews PM (abst) 211
Andriole VT (abst) 187
Ang KS (abst) 132
Anggard E, Oliw E, Fischer S: Formation and metabolism of prostaglandins in the kidney 771
Anthone S (abst) 192
Antoniou LD (abst) 191
Antonovych TT (abst) 178
Aoki TA (abst) 224
Appel GB, Saltzman MJ, King DL, Hardy MA: Use of ultrasound for renal allograft biopsy ... 471
Aprile M (abst) 390
Aral Y (abst) ..... 103(2)
Aras N (abst) 103
Arbelaez M (abst) 210
Arcangeli MA (abst) 224
Ardaillou R (abst) 215, 219
Arean V (abst) 190
Arendshorst WJ (abst) 175
Arieff AI (abst) 208
Armbrech HJ (abst) 108
Armstrong DK (abst) 208
Arne E (abst) 164
Arnold P (abst) 170
Aronson PS (abst) 245, 257
Arruda JAL (abst) ..... 119, 130, 213, 228, 230(2), 237
Arthus MF (abst) 220
Ash SR (abst) 142, 143
Ash ST (abst) 145
Ashby MH (abst) 211
Atkins C (abst) 266
Aurell M (abst) 142
Ausiello DA (abst) 230
Avioli L (abst) 116, 130
Aviv A (abst) 194, 206
Avner ED (abst) 179
Avram MM (abst) 134, 142, 159
Aynedjian HS (abst) 162
Ayus JC (abst) 142, 240

Bach JF: *see* Kreis et al 438
Bagby SP (abst) 163
Baggio B: *see* Rodriguez-Iturbe et al 445
Bajaj RK (abst) 259
Baker LRI (abst) 619
Baker PJ: *see* Murdock et al 710
Baker PJ (abst) 133
Bakker WW (abst) 485
Baldwin DB (abst) 143
Baldwin DS (abst) 137, 188

Author Index for Volume 19

Abe K, Sato M, Imai Y, Ito T, Haruyama T, Sato K, Hiwatari M, Yoshinago K: Renal kallikrein-kinin: Its relation to renal prostaglandins and renin-aldosterone in man 869
Abitbol C, Jean G, Broyer M: Urea synthesis in moderate experimental uremia 648
Abourizk N (abst) 150
Abraham A (abst) 189
Abreo K (abst) 178
Abu-Hamdan DK (abst) 140
Achkar M (abst) 391
Adams DA (abst) 108, 126
Adams FF (abst) 144
Adams FG: *see* Mackay et al 49
Adams ND (abst) 108, 113, 114, 116
Adams P (abst) 124
Adelstein J: *see* Procci et al 317
Adkinson JT (abst) 117
Adler S (abst) 110, 121
Agus ZS (abst) 261
Ahluwalia MPS (abst) 140
Ahmad S (abst) 140
Ahmed U (abst) 190
Aid J (abst) 161
Aikawa M (abst) 173
Aisenbrey G (abst) 167, 229
Aithal HN (abst) 219
Akaydin M (abst) 103
Akkaya S (abst) 103
Akmal M (abst) 194
Alavi N (abst) 131, 141, 155
Al-Awqati Q (abst) 236, 238
Al-Bander H (abst) 237
Albright PW (abst) 229, 240
Alcock NW (abst) 198
Alcorn D, Emslie KR, Ross BD, Ryan GB, Tange JD: Selective distal nephron damage during isolated kidney perfusion 638
Alday M (abst) 216
Alexander EA (abst) 231, 242
Alfrey AC (abst) 127
Ali M (abst) 141
Al-Kudsi RR (abst) 141
Allen GG, Barratt LJ: Effect of aldosterone on the transepithelial potential difference of the rat distal tubule 678
Allen GG, Barratt LJ: Electrophysiology of the early distal tubule 24
Almkuist RD (abst) 118
Alpern RJ (abst) 229
Alpert H (abst) 114, 209, 215
Amair P (abst) 217
Aman LC (abst) 141
Amend W (abst) ..... 163, 264, 266(2), 271
Amos DB (abst) 271
Anastassiades E (abst) 619
Anderson C: *see* Rosenbaum et al 568
Anderson FP: *see* Siegel et al 454
Anderson J (abst) 171
Anderson JE (abst) 169
Anderson RJ: *see* Gross et al 839
Anderson RJ (abst) 201
Andreoli TE (abst) 244
Andres G (abst) 183, 188
Andres GA (abst) 192
Andrews CA (abst) 167
Andrews PM (abst) 211
Andriole VT (abst) 187
Ang KS (abst) 132
Anggard E, Oliw E, Fischer S: Formation and metabolism of prostaglandins in the kidney 771
Anthone S (abst) 192
Antoniou LD (abst) 191
Antonovych TT (abst) 178
Aoki TA (abst) 224
Appel GB, Saltzman MJ, King DL, Hardy MA: Use of ultrasound for renal allograft biopsy ... 471
Aprile M (abst) 390
Aral Y (abst) ..... 103(2)
Aras N (abst) 103
Arbelaez M (abst) 210
Arcangeli MA (abst) 224
Ardaillou R (abst) 215, 219
Arean V (abst) 190
Arendshorst WJ (abst) 175
Arieff AI (abst) 208
Armbrech HJ (abst) 108
Armstrong DK (abst) 208
Arne E (abst) 164
Arnold P (abst) 170
Aronson PS (abst) 245, 257
Arruda JAL (abst) ..... 119, 130, 213, 228, 230(2), 237
Arthus MF (abst) 220
Ash SR (abst) 142, 143
Ash ST (abst) 145
Ashby MH (abst) 211
Atkins C (abst) 266
Aurell M (abst) 142
Ausiello DA (abst) 230
Avioli L (abst) 116, 130
Aviv A (abst) 194, 206
Avner ED (abst) 179
Avram MM (abst) 134, 142, 159
Aynedjian HS (abst) 162
Ayus JC (abst) 142, 240

Bach JF: *see* Kreis et al 438
Bagby SP (abst) 163
Baggio B: *see* Rodriguez-Iturbe et al 445
Bajaj RK (abst) 259
Baker LRI (abst) 619
Baker PJ: *see* Murdock et al 710
Baker PJ (abst) 133
Bakker WW (abst) 485
Baldwin DB (abst) 143
Baldwin DS (abst) 137, 188

Baldwin WM (abst) 485
Balk AG (abst) 486
Balow JE (abst) 119
Bank N (abst) 162
Bankir L (abst) 260
Banks RO (abst) 230
Baranowski RL (abst) 163, 217
Barcelli U (abst) 179
Barcenas CG (abst) 119
Barg A (abst) 163
Bariety J, Bellon B, Sapin C, Kuhn J, Druet P, Hinglais N, Giraud JP, Belair MF, Paing M, Laliberte F: Immunoenzymatic study of the protein pathway through the glomerular barrier in rat glomerulonephritides 663
Barker C (abst) 269
Bar-Khayim Y, Cohen AH, Houston B, Trizna W, Fine LG: In vivo culture of a transporting renal epithelial monolayer 465
Bar-Khayim Y: *see* Yanagawa et al 705
Bar-Khayim Y (abst) 157, 200
Barnes CC (abst) 389
Barnes J (abst) 150
Barnes LD (abst) 163
Barnes T (abst) 169
Barratt LJ: *see* Allen et al 24, 678
Barre P (abst) 394, 395
Barrett J (abst) 620
Barry JM (abst) 264, 266, 268, 269
Bartolo D (abst) 619
Bartolomeo F: *see* Maggiore et al 579
Bartos D (abst) 264
Bartos F (abst) 264
Bartter FC (abst) 127
Batlle DC (abst) 119, 130, 237
Batuman V (abst) 194
Baud L (abst) 219
Baue AE (abst) 213
Bauer J (abst) 161, 194
Bauer JH (abst) 164
Baur GM (abst) 163
Bay WH (abst) 139, 143, 195
Baylink DJ (abst) 123
Bazylewicz R (abst) 150
Beale M (abst) ..... 180(2)
Beam T (abst) 141
Bean GH (abst) 219
Bear JC (abst) 123
Bear R (abst) 388
Bear RA (abst) ..... 388(2)
Beaufils M: Glomerular disease complicating sepsis 609
Beck TR (abst) 220
Beeuwkes R (abst) 231
Beierwaltes WH (abst) 164
Bekheit S (abst) 154
Belair MF: *see* Bariety et al 663
Bell JD (abst) 143
Bell PD (abst) 231
Belli JA (abst) 186
Bellon B: *see* Bariety et al 663
Bello-Reuss E (abst) 231, 244
Bellorin-Font E (abst) 206, 220
Benabe JE: *see* Morrison et al 786
Bengele HH (abst) 231, 242
Bennett WM (abst) .. 133, 183, 199, 212, 252, 264, 266
Bentzel C (abst) 131, 155, 232, 250
Bergeron M (abst) 220, 240
Bergfeld M (abst) 130
Berl T: Cellular calcium uptake in the action of prostaglandins on renal water excretion 15
Berl T (abst) 167, 232, 244
Berlin R: *see* Kant et al 728
Berlyne GM (abst) 109, 158
Berndt TJ (abst) 108
Berry CA (abst) 232
Best CF (abst) 223
Beyer MM (abst) 125, 182
Bhan AK (abst) 179
Bhassin Y (abst) 182
Bhathena DB (abst) 179
Bia MJ (abst) 152
Biagi B (abst) 232
Bichet D (abst) 119
Bidani AK (abst) 125
Biemesderfer D: *see* Stanton et al 36
Biemesderfer D (abst) 184, 200
Bierman MH (abst) 120
Biggar WD (abst) 388
Bilgin N (abst) 103
Bilinsky RT (abst) 132
Binder HJ (abst) 243
Bingham R (abst) 155
Birch DF, Fairley KF, Pavillard RF: Unconventional bacteria in urinary tract disease 58
Birnbaum J (abst) 266
Bistrian BR (abst) 146
Blachley JD (abst) 120
Blackman MR (abst) 195
Blagg CR (abst) 161
Blair A (abst) 120, 152
Blair G (abst) 391
Blankenship J (abst) 154
Blantz RC (abst) 233, 260
Blecher M (abst) 239, 245
Blecher SR (abst) 197
Bloch R (abst) 143
Blouch KL (abst) 255
Bluestone P (abst) 131, 133
Blumberg AL (abst) 207
Blumberg G (abst) 240
Blumenkrantz MJ, Gahl GM, Kopple JD, Kamdar AV, Jones MR, Kessel M, Coburn JW: Protein losses during peritoneal dialysis 593
Blumenkrantz MJ: *see* Grodstein et al 564
see also Kopple et al 694
Blumenkrantz MJ (abst) 152
Boer P (abst) 167, 168, 174
Bolisay C (abst) 157
Bolton WK (abst) 120, 188
Bonvalet JP: *see* Vandewalle et al 529
Booker B (abst) 195
Border WA (abst) 192
Borges H (abst) 144
Boron W (abst) 255
Boron WF (abst) 233
Borsatti A: *see* Rodriguez-Iturbe et al 445
Bosanac P (abst) 132
Boulpaep E (abst) 242

Boulpaep EL (abst) 233, 255
Bourgoignie G (abst) 204
Bourgoignie J (abst) 239
Bourgoignie JJ (abst) 111, 204, 205
Bourke E (abst) 121, 126
Bovee KC (abst) 249
Bower J (abst) 158
Bower JD: *see* Rubin et al 460
Bowman R (abst) 124, 212
Bowman RL (abst) 247
Braganza L (abst) 392
Brandes L (abst) 146
Brash DW (abst) 234
Brater DC (abst) 234
Braun W (abst) 135
Braunwald E (abst) 203
Brautbar N (abst) 109, 113
Bravo EL (abst) 121, 175
Brazy PC: *see* Van den Berg et al 8
Brazy PC (abst) 234, 243
Bregman H (abst) 121
Brem AS (abst) 234
Brenner BM: *see* Hostetter et al 410
see also Schor et al 288
Brenner BM (abst) 167, 203
Brentjens J (abst) 131, 183, 188
Brentjens JR (abst) 192
Bresler EH (abst) 235
Bressler R (abst) 186
Bretschneider A (abst) 125
Brewer E (abst) 192
Bricker N (abst) 207
Bricker NS (abst) 124, 212, 247
Brickman AS (abst) 127
Briefel GR (abst) 195
Briggs J (abst) 235, 256
Briggs JP: *see* Schnermann et al 802
Briggs W (abst) 264
Briggs WA (abst) 140, 153
Brooks C (abst) 194
Brooks CS (abst) 164
Brown DA (abst) 195
Brown GP (abst) 235
Brown J (abst) 121
Brown Z (abst) 620
Broyer M: *see* Abitbol et al 648
Brunner FP (abst) 121
Bruns FJ (abst) 121
Brunt JR (abst) 144
Brusilow SW (abst) 209
Bruzel A (abst) 187
Bryant RE: *see* Kaiser et al 70
Bryce GF (abst) 109
Bryson MF (abst) 189
Brzostowicz M (abst) 144
Buchanan M (abst) 149
Budde E, Naumann G, Nimmich W, Handschuck I, Hudemann B: Antibody-coating of bacteria in the urine in relation to various immunologic indexes 65
Buerkert J (abst) 235
Bulger R (abst) 192
Bulger RE (abst) 181
Burg M (abst) 241
Burgess E (abst) 120, 122
Burke K (abst) 227
Burke TJ (abst) 195
Burnett JC Jr (abst) 244
Burton H (abst) 392
Bush M (abst) 147
Buszta C (abst) 135
Butkus DE (abst) 236
Butt KMH (abst) 182
Buyukpamukcu N (abst) 103
Byers MK: *see* Dubrovsky et al 516
Byrd L (abst) 153

Cachia R (abst) 236
Caflisch CR (abst) 242
Caglar S (abst) ..... 103(2)
Calcagno P (abst) 239, 245
Calcagno PL (abst) 211, 270
Calderaro V (abst) 146
Caldicott WJH, Taub KJ, Margulies SS, Hollenberg NK: Angiotensin receptors in glomeruli differ from those in renal arterioles 687
Callahan M (abst) 128
Cameron AH (abst) 621
Campbell RA (abst) 264
Campbell WB (abst) 234
Campese VM (abst) 164
Candelora (abst) 166
Cannon PJ (abst) 251
Canos H (abst) 196, 388
Canterbury J (abst) 114
Canterbury JM (abst) 111
Capaldo R (abst) 132
Capparell N (abst) ..... 186(2), 190
Card B: *see* Kopple et al 694
Cardella C (abst) 388
Cardella CJ (abst) 395
Cardinal J (abst) 247
Carey J (abst) 161
Carim MM (abst) 122
Carlton WW (abst) 212
Caron C (abst) 122
Carpenter BJ (abst) 265
Carpenter CB (abst) 186, 392
Carrera GF (abst) 108
Carrie BJ (abst) 133
Carroll HJ (abst) 138
Carter RL (abst) 155
Carvounis CP (abst) 220
Carvounis G (abst) 220
Case DB (abst) 176
Castillo L: *see* Rodriguez-Iturbe et al 445
Cathey M: *see* Kant et al 728
Cato AE (abst) 159
Cattell WR (abst) 619
Cattran D (abst) 388
Cattran DC (abst) ..... 180, 389(2)
Caulin-Glaser T (abst) 182
Cengiz S (abst) 104
Centor RM (abst) 138
Cespedes LE (abst) 156
Cestero RVM (abst) ..... 150(2), 160(3)
Cervenka J (abst) 177
Chalker J (abst) 390

Challoner-Hue L (abst) 117
Chambless S (abst) 235
Chami J (abst) 270
Chan JCM (abst) 122
Chan MK, Varghese Z, Moorhead JF: Lipid abnormalities in uremia, dialysis, and transplantation 625
Chandler JT (abst) 145
Charles G (abst) 125, 144
Charron R (abst) 388
Chase D (abst) 196, 201
Chase HS, Jr (abst) 236
Chatzilias A (abst) 171
Chaudry I (abst) 200, 213
Che H (abst) 145
Cheema-Dhadli S, Hamat R, Sonnenberg H, Halperin M: A micromethod to measure ammonia . 80
Cheigh J (abst) 270
Chen WT (abst) 141, 149, 156
Chennavasin P (abst) 234
Chesney JP (abst) 123
Chesney RW (abst) 123, 229, 240
Chestnut CH (abst) 123
Chevalier RL (abst) 196
Chida Y (abst) 138
Chinard FP (abst) 221
Chinitz J (abst) 151
Chiosi C (abst) 145
Chisholm L (abst) 391
Chodirker W (abst) 180, 389
Chodirker WB (abst) 389
Choi CW (abst) 140
Chonko A (abst) 236
Chonko AM (abst) 258
Chopra S (abst) 196, 201
Chou SY (abst) 257
Chrysant SG (abst) 164
Churchill D (abst) 390
Churchill DN (abst) 123, 389
Churg J (abst) 126, 201
Cirksena W (abst) 154
Claas FHJ (abst) 485
Clark D (abst) 234
Clark WF (abst) 131, 389, 392
Clemente R (abst) 123
Clerch A (abst) 134
Clouse M (abst) 216
Clyne DH (abst) 200
Coburn JW: *see* Blumenkrantz et al 593
see also Grodstein et al 564
Coburn JW (abst) 109, 112, 113, 127, 129, 130, 152
Coffman T (abst) 111
Cogan MG (abst) 229, 232, 237
Cohen A (abst) 258
Cohen AH: *see* Bar-Khayim et al 465
Cohen AH (abst) 192
Cohen AJ (abst) 196
Cohen JJ (abst) 221
Cole C (abst) 123, 165
Colina-Chourio J: *see* Rodriguez-Iturbe et al 445
Colindres RE (abst) 117
Coll-Garcia E (abst) 217
Collins AB (abst) 179, 181
Colvin RB (abst) 181, 185
Conger JD, Robinette JB, Guggenehim SJ: Effect of acetylcholine on the early phase of reversible norepinephrine-induced renal failure 399
Conger JD (abst) 197, 199
Conley ME (abst) 180
Conley P (abst) 392
Cook GT (abst) 395
Cooke CR (abst) 225
Cooley D (abst) 119
Cooper MD (abst) 180
Coppoc GL (abst) 212
Corey P (abst) 388
Cornacoff JB (abst) 143, 195
Cortes P (abst) 221
Cosio F (abst) 124
Costantino J (abst) 215
Cotton D (abst) 121
Court SB (abst) 237
Couser WG (abst) 186 (2), 190
Couture RA (abst) 394
Cox M (abst) 241
Craan AG (abst) 389
Craske H (abst) 161
Crassweller P (abst) 146
Crawford D (abst) 179
Crawford PA (abst) 217
Crocker JFS (abst) 124, 197
Croker BP (abst) 265
Cronin R (abst) 148, 197
Crosnier J: *see* Kreis et al 438
Crow JW (abst) 159
Crowley F (abst) 256
Cruz C (abst) 265
Cruz-Sota M (abst) 237
Culpepper M (abst) 124
Culpepper RM (abst) 244
Cumming AMM: *see* Mackay et al 49
Cunningham E (abst) 134
Currier CB (abst) 270
Cusimano M (abst) 388
Cutler RE (abst) 152
Czekalski S (abst) 221

Daha MR (abst) 485
Daikos G (abst) 219
Dainiak N (abst) 128
D'Amato RA (abst) 113
Dandavino R: *see* Kreis et al 438
Danovitch G (abst) 212
Danovitch GM (abst) 124, 197
Danviriyasup K (abst) 159
d'Apice A (abst) 149
Darby C (abst) 186 (2), 190
Dasgupta MK: *see* Johny et al 332
Daugirdas JT (abst) 140, 141, 149 (3), 156 (2)
Davidson K (abst) 202 (2)
Davidson W (abst) 201
Davies BM (abst) 129
Davies J (abst) 620
Davies TG (abst) .....
Davin T (abst) 124
Davis BB (abst) 108, 198, 263
Davis ES (abst) 263
Davis FB (abst) 125
Davis JP (abst) 123

Davis PJ (abst) 125
Daye M (abst) 198
Debose TD Jr (abst) 238
Decker JL (abst) 119
DeFronzo R (abst) 226
DeFronzo RA (abst) 237
Deitch MW (abst) 177
de Jong PE (abst) 128
de Jong-van den Berg LTW (abst) 128
Delano BG (abst) 144
deLeeuw NKM (abst) 395
Deleeuw PW (abst) 172
del Greco F (abst) 270
del Greco F: *see* Roxe et al 341
D'Elia J (abst) 216
D'Elia JA (abst) 146, 150
Delmez J (abst) 145
DeLong E: *see* Murdock et al 710
DeLong E (abst) 133
Dennis R (abst) 255
Dennis VW: *see* van den Berg et al 8
Dennis VW (abst) 234, 243
DeNunzio A (abst) 199
Desai S (abst) 140
Descamps JM: *see* Kreis et al 438
Petry R (abst) 122
DeVeber GA (abst) 395
Devia CJ (abst) 151
Devroede, G (abst) 122
deWardener HE: Idiopathic edema: Role of diuretic abuse 881
Dhein CR (abst) 145
Diaz-Buxo JA (abst) 145
DiBona DR (abst) 243
Dickmann D (abst) 170
Diederich DA (abst) 155
Dillard BL (abst) 164
Dimas A (abst) 135
Dimitriadis A (abst) 269
Dinant HJ (abst) 119
Dixon JD (abst) 151
Dixon TE (abst) 238
Dobyan DC (abst) 181
Doherty GB (abst) 140
Dombros N (abst) 392
Domingue GJ: *see* Roberts et al 297
Domoto DT (abst) 181
Donker AJM (abst) 128
Donker JM (abst) 485
Dornfeld LP (abst) 229
Dosa S (abst) 189
Dossetor JB: *see* Johny et al 332
Doucet A (abst) 238, 246
Douglas JG (abst) 235
Dousa TP (abst) 108, 112, 203, 221, 239
Dow D (abst) 389
Druet P: *see* Bariety et al 663
Drummond BJ (abst) 388
Duarte CG (abst) 251
Dubois E (abst) 126
DuBose TD Jr (abst) 147
Dubrovsky AHE, Nair RC, Byers MK, Levine DZ: Renal net acid excretion in the adrenalectomized rat 516
Duca R (abst) 266, 271
Duenkleberg RE (abst) 150
Duggin GG (abst) 128
Dumler F (abst) 221, 265
Dunn MJ: Prostaglandins and Bartter's syndrome ... 86
Dunn MJ (abst) 159, 173, 218, 220
Dunn S (abst) 159
Duran MA (abst) 207, 242, 394
Durr JA (abst) 238
Düsing R: *see* Kramer et al 851
Düsing R (abst) 165
Dziukas L (abst) 187

Eadie AS: *see* Mackay et al 49
Ebert TH (abst) 181
Eby B (abst) 109, 112
Edwards BR (abst) 249
Edwards KDG (abst) 198
Edwards L (abst) 267
Edwards RM (abst) 203, 239
Egan JD (abst) 120
Ehrich JH (abst) 192
Eiser AR (abst) 145
Eisinger RP (abst) 137
Eisner G (abst) 239, 245
Eisner GM (abst) 211
Elijovich F (abst) 166
Elliott WC (abst) 183, 199, 212, 252, 264
Ellis D (abst) 181
Ellis M (abst) 201, 232
Emmanouel DS (abst) 227
Emre S (abst) 105
Emslie KR: *see* Alcorn et al 638
Enoch PG: *see* Hemstreet et al 275
Epstein FH (abst) 214, 258
Epstein M (abst) 171, 199
Epstein MB (abst) 149
Erbay B (abst) 103 (3)
Ertug AE (abst) 103 (2)
Ertug E (abst) 103
Eshaghpour FA (abst) 112
Esquenazi V (abst) 134
Essery GI (abst) 389
Evan A (abst) 199
Evan AP: *see* Williams et al 503
Eyler WR (abst) 265

Fairley KF: *see* Birch et al 58
Falk SA (abst) 199
Fallon M (abst) 206
Farin FM (abst) 182
Farkas S (abst) 390
Farley DJ (abst) 146
Farman N: *see* Vandenwalle et al 529
Farmer CD (abst) 145
Faubert PF (abst) 257
Favaro S: *see* Rodriguez-Iturbe et al 445
Favre H (abst) 239
Fayemi AO (abst) 141
Feduska N (abst) 264, 271
Feduska NJ (abst) 266
Feig PU (abst) 146, 239
Fein P (abst) 142, 159
Feiner H (abst) 188

Feinroth M (abst) 109, 158
Feinroth MV (abst) 109, 158
Feinstein EI (abst) 129
Felder R (abst) 239, 245
Feldman J (abst) 148
Feldman JN (abst) 125
Feldman M (abst) 200
Feldman S (abst) 222
Fellner SK (abst) 268
Felsenfeld AJ (abst) 110, 111, 114
Fenech A (abst) 619
Fennell J (abst) 125
Ferguson CW (abst) 139
Ferguson E (abst) 197
Ferguson RK (abst) 166
Fernández A (abst) 115
Ferrara B (abst) 183
Ferris TF (abst) 168
Fichman M (abst) 126
Fikrig SM (abst) 182
Fillastre JP: *see* Vandewalle et al 529
Fillit H (abst) 182
Finander P (abst) 109, 113
Finco D (abst) 110, 116, 206, 210
Fine A (abst) 222, 390
Fine BP (abst) 194, 206
Fine LG, Kirschenbaum MA: Absence of direct effects of prostaglandins on sodium chloride transport in the mammalian nephron 797
Fine LG: *see* Bar-Khayim et al 465
Fine LG: *see also* Yanagawa et al 705
Fine LG (abst) 118, 200, 218, 223
Fine PR: *see* Hemstreet et al 275
Fineberg NS (abst) 171
Finer C (abst) 392
Fischer S: *see* Anggard et al 771
Fisher P (abst) 266
Fitz A (abst) 170
Flamenbaum W (abst) 147, 158, 166, 196, 201
Folkert VW (abst) 241
Follath F (abst) 121
Font EB (abst) 210
Fonteles MC (abst) 221
Foreman J (abst) 240
Forrest JN, Jr (abst) 200, 257
Fotino M (abst) 270
Fouad FM (abst) 175
Fox L (abst) 157
Fox RC: Exclusion from dialysis: A sociologic and legal perspective 739
Fradet Y (abst) 390
Fragola J (abst) 115
Fraley DS (abst) 110, 121
Frank E (abst) 153
Franki N (abst) 254
Franklin S (abst) 201
Franklin W (abst) 214
Fascino J (abst) 141
Fray JCS (abst) 196
Frederick D (abst) 210
Freed B (abst) 153
Freedlender AE (abst) 166
Freeman RB (abst) 156
Fregene A (abst) 215
Frei D (abst) 390
Frey F (abst) 266
Friedler RM (abst) 164, 243
Friedman AL (abst) 229, 240
Friedman EA (abst) 109, 125, 127, 135, 144, 148, 158, 182
Friedman J (abst) 270
Friedman JJ (abst) 259
Friel P (abst) 120
Frohlich ED (abst) 174
Frohnert P (abst) 115
Frolich JC: *see* Rosenkranz et al 755
Frommer P (abst) 142, 240
Fryd D (abst) 144
Fuller RW (abst) 619
Fung H (abst) 196, 388, 393, 394

Gabow P (abst) 129
Gaffiero P (abst) 240
Gagnon J (abst) 172
Gahl GM: *see* Blumenkrantz et al 593
Gailiunas P (abst) ..... 266, 267(2)
Galla JH (abst) 169, 171, 193
Gallego V (abst) 228
Galler M (abst) 241
Gallo GR (abst) 182, 188
Gambertoglio J (abst) 266
Gan A (abst) 134, 142
Gandhi VC (abst) ..... 140, 141, 149(3)
Ganguli M (abst) 176
García EC (abst) 228
Garcia G (abst) 200
Garcia L (abst) 169
Garcia ME (abst) 241
Garcia R: *see* Rodriguez-Iturbe et al 445
García RA (abst) 136
Gardner KD, Jr. (abst) 199
Garfinkel AS (abst) 212
Garg L (abst) 241
Garovoy MR (abst) 265
Garrett BN (abst) 189
Gary NE (abst) 125
Gates J (abst) 132
Gaudio KM: *see* Siegel et al 454
Gaudio KM (abst) 200
Gault H (abst) 390
Gault MH (abst) 123, 389
Gauntner WC (abst) 126
Gavellas G (abst) 111, 205
Gaviria M (abst) 130
Gaydos DS (abst) 225
Gearing B (abst) 145
Geheb M (abst) 241
Gehr M (abst) 201
Gelman ML (abst) 140
Gentles W (abst) 392
Gentry L (abst) 119
George KL (abst) 150
Gerber JG, Olson RD, Nies AS: Interrelationship between prostaglandins and renin release 816
Gerendasy D (abst) 248
Germuth FG, Jr (abst) 216
Getz GS (abst) 219
Ghantous W: *see* Roxe et al 341

Gibson J (abst) 192
Gidley J (abst) 150
Giebink G (abst) 124
Giebisch G: *see* Stanton et al 36
Giebisch G (abst) 232, 237, 242, 250, 258
Gilberg N (abst) 168
Gill JM: *see* Harris et al 603
Gimenez L (abst) 110
Gingerich R (abst) 157
Gipstein RM (abst) 108, 126
Giraud JP: *see* Bariety et al 663
Girolami JP (abst) 169, 170
Glänzer K: *see* Kramer et al 851
Glänzer K (abst) 165
Gleason R (abst) 216
Gleichmann E (abst) 485
Glück Z (abst) 177
Glueck HI (abst) 128
Goetz D: *see* Kant et al 728
Gohara AF (abst) 187
Gold JA (abst) 177
Goldberg J (abst) 167
Goldman J (abst) 221
Goldstein AS (abst) 269
Goldstein DA, Horowitz RE, Petit S, Haldimann B, Massry SG: The duodenal mucosa in patients with renal failure: Response to $1,25(OH)_2D_3$ ... 324
Goldstein DA: *see* Procci et al 317
Goldstein DA (abst) 131, 194
Goldstein M (abst) 198
Goldstein MB: *see* Sonnenberg et al 1, 281
Goldstein MB (abst) ..... 242(2), 255, 394
Goldstein MH (abst) 201
Goldszer RC (abst) 167
Golper TA (abst) 222
Goltzman D (abst) 394
Gonzalez F (abst) 169
Gonzalez FM (abst) 151
Good DW (abst) 260
Goodall AA (abst) 619
Goodman D (abst) 126
Goodman WG (abst) 127
Gordon D (abst) 178
Gordon JA (abst) 201
Gorfein P (abst) 208
Gotch FA (abst) 146
Gotloib L (abst) 146
Gottheiner TI (abst) 222
Gottschalk CW (abst) 117, 255
Gottstein JH (abst) 117
Gougoux A (abst) .. 226, 227, 242(2), 389, 391, 394, 395
Graber ML (abst) 242
Grabie MT (abst) 108, 126
Graf H, Stummvoll HK, Meisinger V, Kovarik J, Wolf A, Pinggera WF: Aluminum removal by hemodialysis 587
Graham AG: *see* Mackay et al 49
Graham S (abst) 126
Grantham J (abst) 236
Grantham JA (abst) 259
Grantham JJ (abst) ..... 259(2)
Graves B (abst) 256
Gray, BG (abst) 117
Gray RW (abst) 108, 113, 116
Green K (abst) 227
Green SW (abst) 245
Greenberg A (abst) 111
Greenblatt HA (abst) 151
Greer S (abst) 148
Grim CE (abst) 171
Grishman E (abst) 126
Grodstein GP, Blumenkrantz MJ, Kopple JD, Moran JK, Coburn JW: Glucose absorption during continuous ambulatory peritoneal dialysis 564
Grodstein G (abst) 201
Grose JH (abst) 390
Gross H (abst) 147
Gross PA, Schrier RW, Anderson RJ: Prostaglandins and water metabolism: A review with emphasis on in vivo studies 839
Gross PA (abst) 201
Grossman R (abst) 269
Grover A (abst) 190
Grunfeld JP (abst) 260
Grup M (abst) 130
Grupe WE (abst) 179, 267
Guggenheim S (abst) 199
Guggenheim SJ: *see* Conger et al 399
Guggino W (abst) 242, 250
Gullans SR (abst) 243
Gullner HG (abst) 127
Guntupalli J (abst) 109
Gura V (abst) 243
Gurley KE (abst) 186
Gutierrez L (abst) 217
Gutkin M (abst) 153
Gutman RA (abst) 110, 111, 147
Gutmann FD (abst) 150, 202
Guttenplan J (abst) 198
Guttmann RD (abst) 267, 390
Guy MN (abst) 163
Guyen AT: *see* Kreis et al 438

Haberal M (abst) 103, 104
Haddad G (abst) 390
Haddad H (abst) 122
Haddad J (abst) 116
Hager SR (abst) 223
Hainau B (abst) 232
Hakim RM (abst) 147
Haldimann B: *see* Goldstein et al 324
Haley D (abst) 202
Hall DA (abst) 253
Halloran P (abst) 390, 391
Halperin M: *see* Cheema-Dhadli et al 80
Halperin ML: *see* Sonnenberg et al 281
see also Stinebaugh et al 1
Halperin ML (abst) ..... 242(2), 255, 388, 394
Hamat R: *see* Cheema-Dhadli et al 80
Hamburger RJ (abst) 166
Hamburger RK (abst) 217
Hamm LL (abst) 147, 267
Hamburger RJ (abst) 246
Hammeke MD (abst) 120
Hammerman MR (abst) 203
Handa SP (abst) 148
Handelman W (abst) 119, 244
Handler JS: Vasopressin-prostaglandin interactions in the regulation of epithelial cell permeability to water 831
Handler SJ (abst) 139

Handschuck I: *see* Budde et al 65
Hanes D (abst) 264
Hanley M (abst) 251
Hanley MJ (abst) ..... 202(2)
Hano JE (abst) 140, 141, 149
Hanshaw P (abst) 153
Harding PG (abst) 216
Hardy MA: *see* Appel et al 471
Hardy MA (abst) 243
Harman SM (abst) 195
Harmon WE (abst) 267
Harrelson JM (abst) 110, 111
Harris AP (abst) 167
Harris, RH, Gill JM: Changes in glomerular filtration rate during complete ureteral obstruction in rats 603
Harris RH (abst) 223, 248
Harter H (abst) 145
Hartupee DA (abst) 244
Hartwig JH (abst) 230
Haruyama T: *see* Abe et al 869
Hassid A (abst) 220
Hast R (abst) 207
Hatlelid RR (abst) 143
Hatt PY: *see* Vandewalle et al(abst) 529
Hattner R (abst) 271
Haussler MR (abst) 114
Hays RM (abst) 254
Hayslett JP (abst) 243
Hebert LA (abst) 139, 143, 195
Hebert SC (abst) 244
Helderman JH (abst) ..... 266, 267(2)
Helfrich GB (abst) 270
Hellems EW: *see* Rubin et al 460
Hellman R (abst) 127
Hemstreet GP, Enoch PG, Fine PR, Wheat R: Lipid A induction of cytotoxic antibody to cultured syngeneic rat kidney tubular cells 275
Hendricks P (abst) 157
Hené RJ (abst) 167
Heneghan W (abst) 127
Heneghan WF (abst) 148
Henrich W (abst) 148, 197
Henrich WL: Role of the prostaglandin in renin secretion 822
Henry DP (abst) 262
Hercker E (abst) 241
Hermann J (abst) 110
Hermes H (abst) 251
Herrera-Acosta J (abst) 115
Herrmann WA (abst) 485
Hicsonmez G (abst) 103
Hierholzer K (abst) 233
Higashi Y (abst) 244
Higuchi M (abst) 252
Hilberman M (abst) 133
Hill D (abst) 181
Hillberry B (abst) 142
Hinglais N: *see* Bariety et al 663
Hinsman EJ (abst) 212
Hirayama B (abst) 113
Hirsch BR (abst) 125
Hirsh S (abst) 125
Hirszel P (abst) 148
Hise MK (abst) 223
Hiwatari M: *see* Abe et al 869
Ho K (abst) 113
Ho S (abst) 232
Hodsman A (abst) 113
Hodsman AB (abst) 127, 130
Hodson CJ (abst) 187
Hoedemaeker PJ (abst) ..... 485(2)
Hoffman D (abst) 199
Holdsworth SR (abst) 193
Hollenberg NK: *see* Caldicott et al 687
Hollenberg NK (abst) ..... 172, 217(2), 246
Holley K (abst) 269
Hollomby D (abst) 395
Holt KL (abst) 145
Hons R (abst) 391
Hoorntje SJ (abst) 485
Hoover WJ (abst) 226
Hopper S (abst) 264, 266
Horowitz RE: *see* Goldstein et al 324
Horstman J (abst) 268
Horton C (abst) 171
Horton PW: *see* Mackay et al 49
Horvath F (abst) 155
Horvath JS (abst) 128
Hostetter TH, Troy JL, Brenner BM: Glomerular hemodynamics in experimental diabetes mellitus 410
Hostetter TH (abst) 203
Houghton DC (abst) 183, 212
Houston B: *see* Bar-Khayim et al 465
Houston B (abst) 118
Hoy WE (abst) 116
Hoyer JR (abst) 183
Hricak H (abst) 265
Hruska KA: *see* Rosenbaum et al 568
Hruska KA (abst) 203
Hsu CH (abst) 168, 214
Hsueh WA (abst) 178
Huang AT: *see* van den Berg et al 8
Huber G (abst) 241
Hudemann B: *see* Budde et al 65
Hughes J: *see* Roxe et al 341
Hull A (abst) 266, 267
Humayun HM (abst) ..... 149(2)
Humes HD: *see* Simmons et al 424
Humes HD (abst) 213, 216
Humphreys M (abst) 144
Humphreys MH (abst) 237
Hurst K (abst) 131
Husted RF, Mueller AL, Kessel, Steinmetz PR: Surface characteristics of carbonic-anhydrase-rich cells in turtle urinary bladder 491
Hutchinson T (abst) 395
Hwang K (abst) 239
Hyk M (abst) 215

Iancu M (abst) 142
Ichikawa I: *see* Schor et al 288
Ichikawa I (abst) 167, 245
Ideura T (abst) 138
Ihle B (abst) 149
Iino Y (abst) 138
Ilamathi E (abst) 191
Imai Y: *see* Abe et al 869
Ince A (abst) 192
Ing TS (abst) ..... 140, 141, 149(3), 156(2)
Ingelfinger JR (abst) 267

Ishidate T (abst) 183
Ishikawa S (abst) 244
Isik E (abst) 104
Ito T: *see* Abe et al 869
Itsarayoungyen K (abst) 119, 237
Itskovitz HD (abst) 168
Ivanovich P: *see* Roxe et al 341
Iwai J (abst) 176
Iwaki Y (abst) 266
Izui S (abst) 184
Izzo MS (abst) 156

Jackson B (abst) 203, 206
Jackson BA (abst) 203, 239
Jackson R (abst) 117
Jackson RE (abst) 204
Jacob AI (abst) 111, 204
Jacobs JF, Jr (abst) 139
Jacobs M (abst) 153
Jacobson HR (abst) 261, 262
Jaffe E (abst) 182
Jahnke W (abst) 168
Jain VK (abst) ..... 150(2), 160
James WA (abst) 125
Jamison RL (abst) 204, 210, 255
Jardetsky NW (abst) 227
Jardetsky O (abst) 227
Jayamanne D (abst) 145
Jean G: *see* Abitbol et al 648
Jefferson MB (abst) 191
Jenkins PG (abst) 150
Jennings L (abst) 183
Jeraj K (abst) 183
Johnson JP (abst) 245
Johnson M (abst) 176, 388
Johnson T (abst) 127
Johnson W (abst) 115
Johny KV, Dasgupta MK, Kovithavongs T, Dossetor JB: Serial study of circulating immune complexes before and after renal transplantation .. 332
Jones D (abst) 130
Jones MR: *see* Blumenkrantz et al 593
see also Kopple et al 694
Jones MR (abst) 152
Jose P (abst) 239, 245
Jose PA (abst) 211
Josepovitz C (abst) 222
Joshi SJ (abst) 150, 174
Joshi T (abst) 144
Julian BA (abst) 193

Kachadorian WA (abst) 247, 254
Kaehny W (abst) 129
Kaehny WD (abst) 112
Kahn AJ (abst) 114
Kahn AM (abst) 245
Kahn T (abst) 205
Kaiser BA, Potter DE, Bryant RE, Vreman HJ, Weiner MW: Acid-base changes and acetate metabolism during routine and high-efficiency hemodialysis in children 70
Kaiser BA (abst) 204
Kaji DM (abst) 204
Kaldany A (abst) 146, 150, 216
Kallenberg C (abst) 485
Kalmanti M (abst) 128
Kaloyanides GJ (abst) 222
Kamdar AV: *see* Blumenkrantz et al 593
Kamil ES (abst) 192
Kamm DE (abst) 205
Kamstra L (abst) 271
Kano K (abst) 192
Kant KS, Pollak VE, Cathey M, Goetz D, Berlin R: Multiple use of dialyzers: Safety and efficacy 728
Kant KS (abst) 128
Kaojarern S (abst) 234
Kaplan M (abst) 205, 270
Kaptein EM (abst) 129
Karam M (abst) 169
Karpuzoglu T (abst) 103
Kasabian A (abst) 133
Kaser R (abst) 160
Kashgarian M: *see* Siegel et al 454
Kashgarian M (abst) ..... 184, 192, 200(2), 213
Katz AI (abst) 227, 238, 245
Katz AI (abst) 238, 246
Katz LA (abst) 151
Katz SM (abst) 132, 151, 268
Katzberg RW (abst) 172, 246
Kauffmann RH (abst) 485
Kaufman CE, Jr (abst) 139
Kaufman J (abst) 201
Kaufman JS (abst) 166, 196, 246
Kaufman SL (abst) 174
Kawashima H (abst) 224
Kaye M (abst) 394
Kaysen G (abst) 144, 205
Keane WF (abst) 184
Keating A (abst) 388
Keeping D (abst) 123
Kelleher S (abst) 129
Kelley J (abst) 209, 215
Kelley VE (abst) 184
Kelly RH (abst) 181
Kelly TJ (abst) 151
Kempson SA (abst) 112, 221
Kendrick WC, Jr (abst) 134
Kennedy I (abst) 161
Keown PA (abst) 389, 391
Kessel M: *see* Blumenkrantz et al 593
Kessell RG: *see* Husted et al 491
Keusch G (abst) 177
Keys T (abst) 130
Khana R (abst) 391
Kheirbek AO (abst) 141, 149
Kher K (abst) 184, 185, 187
Kienstra RA (abst) 132
Kiil F: *see* Mathisen et al 431
Kim J (abst) 201
Kim JCS: *see* Roberts et al 297
Kimmel P (abst) 269
Kincaid-Smith P (abst) 149
Kincaid-Smith PS (abst) 129
King DL: *see* Appel et al 471
Kinsella JL (abst) 257
Kippin I (abst) 113

Kiprov DD (abst) 185
Kirkendol PL (abst) 151
Kirschbaum BB (abst) 223
Kirschenbaum M (abst) 207, 229
Kirschenbaum MA: *see* Fine et al 797
Kirschenbaum MA (abst) 223
Kirson IJ (abst) 184, 185, 187
Kitajima W: *see* Rosenkranz et al 755
Kjellstrand C (abst) 144
Kjellstrand CM (abst) 268
Klahr S (abst) 110, 116, 130, 203, 206, 210
Klassen J (abst) 393
Kleinman J (abst) 246
Klein-Robbenhaar G (abst) 237
Kletzky O (abst) 131
Kliger AS (abst) 152
Klippel JH (abst) 119
Klose R (abst) 228
Klotman PE (abst) 206
Knauss TC (abst) 213
Knepper M (abst) 241
Knight TE: *see* Weinman et al 83
Knight TF: *see* Senekjian et al 416
Knight TF (abst) 247, 257, 261
Knochel JP (abst) 120
Knox FG (abst) 108, 221, 244
Knutson DW (abst) 129
Kobayashi T (abst) 194, 206
Kocak H (abst) ..... 103(2)
Kocak N (abst) 104
Kodroff MB (abst) 122
Kok S (abst) 137
Kokko JP: Effect of prostaglandins on renal epithelial electrolyte transport 791
Kokko JP (abst) 261, 262
Koksong C (abst) 145
Kolemen F (abst) 103
Kolloch R (abst) 252
Kologlu LB (abst) ..... 103(2)
Kologlu S (abst) ..... 103(2)
Koomans HA (abst) 167, 168, 174
Koplin JR (abst) 166
Kopple JD, Mercurio K, Blumenkrantz MJ, Jones MR, Tallos J, Roberts C, Card B, Saltzman R, Swendseid ME: Daily requirement for pyridoxine supplements in chronic renal failure 694
Koppel JD: *see* Blumenkrantz et al 593
see also Grodstein et al 564
Kopple JD (abst) 152, 161, 201
Korkor A: *see* Rosenbaum et al 568
Korkor A (abst) 110, 130, 206, 210
Kornetsky K (abst) 203
Kornetsky KM (abst) 206
Kotchen TA (abst) 169, 171
Koval JJ (abst) 389
Kovarik J: *see* Graf et al 587
Kovithavongs T: *see* Johny et al 332
Krakoff LR (abst) 166
Kramer HJ, Glänzer K, Dusing R: Role of prostaglandins in the regulation of renal water excretion 851
Kramer HJ (abst) 165
Kramer M (abst) 157
Kramer NC (abst) 189
Krassner LS: *see* Siegel et al 454
Kraut JA (abst) 130
Kreis H, Mansouri R, Descamp JM, Dandavino R, Guyen AT, Bach JF, Crosnier J: Antithymocyte globulin in cadaver kidney transplantation: A randomized trial based on T-cell 438
Kreisberg JI (abst) 163
Krishna GG (abst) 268
Kronfol N (abst) 207
Krug M (abst) 157
Krumlovsky F: *see* Roxe et al 341
Krutzik S (abst) 172
Kuchmy B (abst) 205
Kucukoduk S (abst) 103, 105
Kuehnel E (abst) 152
Kuhn J: *see* Bariety et al 663
Kumar A (abst) 228
Kumar K (abst) 209
Kumar P (abst) 169
Kunau RT (abst) 254
Kurokawa K (abst) 212, 224
Kurtz GL (abst) 264
Kurtz SB (abst) 130
Kurtzman NA (abst) 119, 130, 163, 213, 217, 237
Kushiro T (abst) 169, 170

L'Abbate A: *see* Maggiore et al 579
Laliberte F: *see* Bariety et al 663
Lam FY (abst) 152
LaMarche M (abst) 169
LaMarche MB (abst) 151
Lambert PW (abst) 111
Lamm ME (abst) 182
Landwehr DM (abst) 122
Laney CH (abst) 120
Lange K (abst) 190
Langford HG (abst) 169
LaNoue KF (abst) 226
Lapp L (abst) 154
Lappe RW (abst) 262
Laprade R (abst) 247
Laragh JH (abst) 173, 176
Lasrich M (abst) 148
Lassiter WE (abst) 117
Lau K (abst) 109, 111, 112
Lavin P (abst) 267
Lawton W (abst) 170
Lazaurs JM (abst) 265
Leb DE (abst) 153
Lebel M (abst) 390
Lechene C (abst) 246
Lee C (abst) 224
Lee CS (abst) 154
Lee DBN (abst) 112, 113, 127
Lee SM (abst) 186
Lee TC (abst) 169, 170
Leech S (abst) 169
Leibel B (abst) 391
Leibovici H (abst) 113
Lemann J, Jr (abst) 108, 113, 114, 116
Lemieux G (abst) 226, 227, 242, 389, 391, 394, 395
Lenfesty B (abst) 268
Leskiw UA (abst) 166
Leslie BR (abst) 207

L'Esperance FA, Jr (abst) 125
Leung M (abst) 392
Levey RH (abst) 267
Levi J (abst) 105
Levi M (abst) 167
Levin DN (abst) 247
Levin NW (abst) ..... 141, 221, 265(2)
Levine BS (abst) 109, 112, 113
Levine D (abst) 161
Levine DZ: *see* Dubrovsky et al 516
Levine G (abst) 177
Levine RD (abst) 211
Levine SD (abst) 247
Levison DA (abst) 619
Levitan D (abst) 129, 131, 164
Levitz C (abst) 135
Lewis EJ (abst) 125, 190, 191
Lewis GP (abst) 178
Lewis T (abst) 181
Li JB (abst) 216
Lianos E (abst) 131, 141, 155, 250
Licht A (abst) 113, 124, 212, 247
Liebross B (abst) 207
Liew JV (abst) 155
Lifschitz MD: Prostaglandins and renal blood flow: In vivo studies 781
Lifschitz MD (abst) 163, 170
Linas SL (abst) 170
Lindeman RD (abst) 123
Lindheimer MD (abst) 238
Lindner A (abst) 152
Lindsay RM (abst) ..... 131, 389, 392(2)
Lins LE (abst) 207, 210
Linton AL (abst) ..... 131, 389, 392(2)
Lipner H (abst) 208
Llach F (abst) 111, 114, 208
Lo CS (abst) 248
Lockwood B (abst) 391
Logan AG (abst) 170
Lombard WE (abst) 248, 262
Lombardo JV, Risquez A, McCarthy M, Preuss HG: Evidence for activation of the renal glutamate dehydrogenase pathway in intact acidotic dogs 540
Lombardo JV (abst) 225
Longnecker RE (abst) 211
Lonigro AJ (abst) 234
Lopez J (abst) 135
Lorenzen M (abst) 248
Louis B (abst) 208
Loutzenhiser R (abst) 171
Low DE (abst) 392
Lowe A (abst) 207, 223
Lowenstein LM (abst) 219
Lowrie EG (abst) 147
Lowry RP (abst) 186, 392
Lucia H (abst) 192
Ludwin D (abst) 267
Luetscher JA (abst) 178
Luft FC (abst) 171, 173
Luke RG (abst) 169, 171
Lum G (abst) 119
Lundin AP (abst) 148
Lundin AP, III (abst) 144
Lyerly RJ (abst) 171
Lyman N (abst) 153
Lynch RE (abst) 143
Lynn KL (abst) 619
Lyons P (abst) 268

Maack T (abst) 259
MacDermott R (abst) ..... 180(2)
MacDonnell KF (abst) 140
Mackay A, Eadie AS, Cumming AMM, Graham AG, Adams FG, Horton PW: Assessment of total and divided renal plasma flow by ^{123}I-hippuran renography 49
MacLeod A (abst) 619
Madaio MP (abst) ..... 186(2), 190
Madden MA (abst) 153
Madsen KM (abst) 248
Maggiore Q, Bartolomeo F, L'Abbate A, Misefari V: HBsAg glomerular deposits in glomerulonephritis: Fact or artifact? 579
Mahajan S (abst) 264
Mahajan SK (abst) 140, 153
Maher CC (abst) 132
Maher JF (abst) 148
Mahoney CA (abst) 208
Maierhofer WJ (abst) 114
Mailloux L (abst) 131, 133
Maizel S (abst) 268
Majeske BL (abst) 154
Makker SP (abst) 184, 185, 187
Malarick C (abst) 216
Malik KU: *see* Nasjletti et al 860
Mallinson WJW (abst) 619
Malis CD (abst) 117, 214
Mallon JP (abst) 109
Malone JD (abst) 114
Maloney N (abst) 127
Malt RA (abst) 210
Man D (abst) 180, 389
Manavoglu O (abst) 104
Mandal AK (abst) 208
Mandel LJ (abst) 243
Manis T (abst) 144
Manning M (abst) 229
Mansouri R: *see* Kreis et al 438
Manual A (abst) 392
Manuel MA (abst) 392, 393
Mapes D (abst) 144
Marbury TC (abst) 154
Marcy TW (abst) 200
Margulies SS: *see* Caldicott et al 687
Mars DR (abst) 155
Marshall RD (abst) 619
Marshall WH (abst) 123
Martin D (abst) 235
Martin K (abst) 116, 145, 206, 210
Martin KJ (abst) 220
Martin LN: *see* Roberts et al 297
Martinez M (abst) 232
Martino J (abst) 128
Martz JI (abst) 244
Marver D (abst) 248
Marzec-Calvert R (abst) 112
Masse S (abst) 122
Massry SG: *see* Goldstein et al 324
see also Procci et al 317
Massry SG (abst) 109, 113, 129, 131, 164, 194, 243
Matheson J (abst) 158

Mathisen Ø, Raeder M, Kiil F: Mechanism of osmotic diuresis 431
Matsuda O (abst) 138
Matthys E (abst) 208
Maxwell MH (abst) 169
Maxwell MH (abst) 170, 229
Mayor G (abst) 157
Mayor GH (abst) 151, 215
Mayrer AR (abst) 187
Mazumdar D (abst) 150
McCarron DA (abst) . 123, 165, 172, 173, 176, 263, 268
McCarthy M: *see* Lombardo et al 540
McCluskey RT (abst) 179, 181
McCready W (abst) 391
McDonald BM: *see* Siegel et al 454
McDonald F (abst) 264
McDonald FD (abst) 140, 153, 179
McElvin R (abst) 124
McFarland S: *see* Rubin et al 460
McGary T (abst) 155
McGuire JC: *see* Sun et al 760
McKenna BA (abst) 116, 189
McKenzie IM (abst) 393
McKenzie JK (abst) 393
McKinney TD (abst) 249
McLeish KR (abst) 187
McMorrow RG (abst) 193
McNamara ER (abst) 231
McPhaul J (abst) 148
McSherry E (abst) 132
McVicar M (abst) 249
Meakins J (abst) 390
Medow MS (abst) 249
Meeks LA (abst) 250
Mees EJ (abst) 167, 168, 174
Meggs LG (abst) 172, 246
Mehta PK (abst) 132
Meier A (abst) 177
Meijer CJLM (abst) 485
Meisinger V: *see* Graf et al 587
Melly R (abst) 215
Mendel DB (abst) 249
Mercurio K: *see* Kopple et al 694
Merrill JP (abst) 186
Metaxas P (abst) 269
Meyer TW (abst) 224
Meyrier A (abst) 132
Michael AF: *see* Nevins et al 553
Michael AF (abst) 180, 183
Michael UF (abst) 250
Migdal S (abst) 264
Migdal SD (abst) 179
Mikhael R (abst) 156, 393
Mikulecky DC: *see* Oken et al 359
Milgrom F (abst) 192
Millard MM (abst) 211
Miller DG (abst) 150
Miller DJ (abst) 152
Miller G (abst) 138
Miller JH (abst) 130
Miller ON (abst) 109
Miller P (abst) 198
Miller T, Phillips S: Pyelonephritis: The relationship between infection, renal scarring, and antimicrobial therapy 654
Milliner D (abst) 269
Milne C (abst) 390
Milutinovic J (abst) 154
Minami E (abst) 154
Minear A (abst) 154
Misefari V: *see* Maggiore et al 579
Mitch WE (abst) 209
Mitchell G (abst) 154
Mitchell P (abst) 146, 239
Mitnick PD (abst) 111
Mitra S (abst) 132
Mnadin H (abst) 391
Mocarquer A (abst) 190
Moel DI (abst) 162, 209
Molina M (abst) 135
Mookerjee B (abst) 141
Mookerjee BK (abst) 155
Moore H (abst) 155, 160
Moore J (abst) 172
Moore L (abst) 250
Moorhead JF: *see* Chan et al 625
Moorthi DS (abst) 140
Moorthy AV (abst) 178, 187
Mor J (abst) 249
Morales J (abst) 209, 215
Moran JK: *see* Grodstein et al 564
Moran JK (abst) 152
Morehouse DD (abst) 390
Morgan J (abst) 123, 389
Morin JP: *see* Vandewalle et al 529
Morris C (abst) 165
Morrison AR, Benabe JE: Prostaglandins and vascular tone in experimental obstructive nephropathy 786
Morrison AR (abst) 224
Morrison G (abst) 269
Morzycka M (abst) 265
Moser S (abst) 109, 131
Mossey R (abst) 131, 133
Moulonguet L (abst) 215
Mueller AL: *see* Husted et al 491
Mueller B (abst) 140
Mueller M (abst) 252
Mujais S (abst) 121
Mulec H (abst) 142
Mullen R (abst) 389
Muller J (abst) 254
Multani S (abst) 194
Murdock CB, Baker PJ, DeLong E, Roe CR, Osofsky SG: Urine and serum lactic dehydrogenase, lactic dehydrogenase isoenzymes, and alkaline phosphatase in the nephrotic syndrome 710
Murdock CB (abst) 133
Murphy R (abst) 172
Muther RS (abst) 133
Myers BD (abst) 133, 204
Myers D (abst) 172
Myers P (abst) 249
Myers S (abst) 232

Nagar D (abst) 123
Nainby-Luxmoore JC (abst) 169
Nair RC: *see* Dubrovsky et al 516
Naish P (abst) 620
Nakamoto S (abst) 156
Nally J (abst) 269

Nanda NC (abst) ..... 150(2)
Nanton MA (abst) 124
Nanninga JB (abst) 224
Nascimento L (abst) 134
Nash G (abst) ..... 180(2)
Nasjletti A, Malik KU: Renal kinin-prostaglandin relationship: Implications for renal function ... 860
Naumann Gunter: *see* Budde et al 65
Navar LG: *see* Williams et al 503
Navar LG (abst) 231
Neale TJ (abst) 193
Nechay BR (abst) 204
Needleman P (abst) 198
Neff MS (abst) 145
Neilsen KT (abst) 235
Neldon SL (abst) 204
Nelson NC (abst) 169
Neugarten J (abst) 188
Nevins TE, Michael AF: Isolation of aniomic sialoproteins from the rat glomerulus 553
Newcom SR (abst) 183
Newhouse Y (abst) 144
Newman WJ (abst) 206
Niarchos AP (abst) 173
Nicastri AD (abst) 127, 135
Nicholls A (abst) 619
Nicoloff JT (abst) 129
Nielson EG (abst) 188, 189
Nies AS: *see* Gerber et al 816
Nimmich W: *see* Budde et al 65
Nissenson A (abst) 157
Nivez MP (abst) 219
Nix K (abst) 197
Nixon J (abst) 148
Nixon WP (abst) 118
Nizky J (abst) 212
Noble B (abst) 188
Nolph K (abst) 155, 160
Norman DJ (abst) 266, 269
North-Coombes JD (abst) 134
Novick A (abst) 135
Novick AC (abst) 173, 175
Novogrodsky A (abst) 271
Nusbacher J (abst) 160

Obeid K (abst) 250
Obek A (abst) ..... 104(2)
Oberleithner H (abst) 250
O'Connor D (abst) 178
O'Connor DT (abst) ..... 163, 177(2)
Ogilvie R (abst) 146
Oh MS (abst) 138
Oken DE, Thomas SR, Mikulecky DC: A network thermodynamic model of glomerular dynamics: Application in the rat 359
Oken DE (abst) 203, 206, 207, 209
Old CW (abst) 251
Olgaard K (abst) 110, 116, 206, 210
Oliver JA (abst) 251
Oliver L (abst) 224
Oliver RE (abst) 210
Olivero JJ (abst) 142
Oliveros F (abst) 134
Oliw E: *see* Anggard et al 771
Olson RD: *see* Gerber et al 816
Olsson PL (abst) 155
Ooi BS (abst) 179
Opelz G (abst) 266
O'Reilly JP (abst) 188
Oreopoulos D (abst) 392
Oreopoulos DG (abst) 146, 392
Oreopoulos G (abst) 391
Osanloo EO (abst) 156
Osgood R (abst) 208
Osgood RW (abst) 170, 251
Osofsky SG: *see* Murdock et al 710
Osofsky SG (abst) 133
Osswald H (abst) 251
Oster JR (abst) 114
Ou SYL (abst) 112, 221
Ouellette AJ (abst) 210
Overlack A (abst) 252
Oygur N (abst) 103
Ozawa T (abst) 189
Ozuer M (abst) 104

Pabico RC (abst) 116, 189
Pace P (abst) 243
Pagel M (abst) 140
Pahilan A (abst) 134, 142
Paing M: *see* Bariety et al 663
Panner BJ (abst) 189
Papadimitriou M (abst) 269
Papadopoulou ZL (abst) 270
Papaioannou DF (abst) 393
Papendick R (abst) 197
Pardo T (abst) 134
Pardo V (abst) 134, 209, 215
Parekh N, Veith U: Renal hemodynamics and oxygen consumption during postischemic acute renal failure in the rat 306
Parker LN (abst) 218
Parker RA (abst) 252
Parkman R (abst) 267
Parma R (abst) 170, 254
Parrish AE (abst) 189
Pascual JF (abst) 135
Pastoriza E (abst) 222, 250
Patak RV (abst) 155, 236, 254
Patel B (abst) 391
Paton TW (abst) 393
Patterson MJ (abst) 151
Patton M (abst) 170, 208
Patz A (abst) 172
Pauli BU (abst) 191
Pavillard RF: *see* Birch et al 58
Payne RH (abst) 123
Paz-Martinez V (abst) 217
Pearce D (abst) 137
Pearcy E (abst) 199
Pearson J (abst) 169
Peart WS (abst) 178
Peck M (abst) 166
Pehrsson K (abst) 207, 210
Pelayo J (abst) 239, 245
Pelayo JC (abst) 211
Peña JC (abst) 115
Pennell JP (abst) 211
Penner B (abst) 393
Pepe JM (abst) 211
Pepe L (abst) 240
Peraino RA (abst) 115

Perey B (abst) 122
Perez GO (abst) 114, 252
Perez-Schael C (abst) 217
Perfetto M (abst) 184, 192
Perloff L (abst) 269
Pershagen G (abst) 207
Persijn GG (abst) 485
Persijn JP (abst) 137
Pertschuk L (abst) 135
Peter JB (abst) 126
Peters P (abst) 266, 267
Peterson JC (abst) 155
Peterson L (abst) 201
Peterson LN (abst) 252
Peterson OW (abst) 260
Petit S: *see* Goldstein et al 324
Petrulis A (abst) 187
Petrulis AS (abst) 173
Pettinger W (abst) 148
Peynircioglu S (abst) ..... 104(2)
Pfeffer JM (abst) 203
Pfeffer MA (abst) 203
Phillips D (abst) 135
Phillips S: *see* Miller et al 654
Phillips SM (abst) 188, 189
Phillips TM (abst) 189
Phromphetcharat V (abst) 228
Pialaet M (abst) 132
Pickering TG (abst) 176
Pierce K (abst) 153
Piercy L (abst) 144
Pierides A (abst) 115, 269
Piering WF (abst) 108, 136
Pifarre R (abst) 156
Pincus J (abst) 205
Pinggera WF: *see* Graf et al 587
Pinto J (abst) 251
Platts MM (abst) 619
Plomley R (abst) 149
Plorde J (abst) 152
Plotz PH (abst) 119
Pohl MA (abst) 122, 175
Polhemus RE (abst) 253
Pollak VE: *see* Kant et al 728
Pollak VE (abst) 128
Polymenides Z (abst) 269
Popli S (abst) ..... 149, 156(2)
Popovtzer MM (abst) 211
Porrett E (abst) 161
Port FK (abst) 139
Porter GA (abst) 212, 252
Porush JG (abst) 257
Posen GA (abst) 156, 393
Potter DE: *see* Kaiser et al 70
Poulsen R (abst) 267
Pradhan R (abst) 135
Prasad AS (abst) 153
Prasad J (abst) 157
Preuss E (abst) 265
Preuss HG: *see* Lombardo et al 540
Preuss HG (abst) 225
Price JDE (abst) 395
Prichard S (abst) 394, 395
Procci WR, Goldstein DA, Adelstein J, Massry SG: Sexual dysfunction in the male patient with uremia 317
Prowant B (abst) 160
Prübing B (abst) 165
Pucacco LR (abst) 238
Puschett JB (abst) 115

Quamme GA (abst) 116
Quamme GA (abst) 253
Quintanilla A: *see* Roxe et al 341
Quon MJ (abst) 149

Rabbani P (abst) 153
Rabinowitz L (abst) 253
Rabito CA (abst) 253
Rabkin R (abst) 222
Racusen LC (abst) 214
Rademacher R (abst) 179
Raeder M: *see* Mathisen et al 431
Raij L (abst) 184
Raisys V (abst) 120
Raja R (abst) 157
Rajudin M (abst) 218
Rance P (abst) 388
Rankin LI (abst) 173
Ransom JC (abst) 212
Rao GR (abst) 219
Rao TKS (abst) 127, 135, 144
Rapoport J (abst) 254
Rapp NS (abst) 263
Rashid A (abst) 394
Raymond LW (abst) 239
Rector FC, Jr.: *see* Schambelan et al 716
Rector FC, Jr. (abst) 229, 237
Reinech HJ (abst) 170, 214, 251, 254
Reins M: *see* Roxe et al 341
Reisin E (abst) 174
Rennke HG: *see* Schor et al 288
see also Simmons et al 424
Rever BL (abst) 212
Reynolds RA (abst) 249
Ricanati ES (abst) 176
Richards C (abst) 135
Richardson RMA (abst) 254
Richman AV (abst) 190
Ridge SM (abst) 236, 254
Rieselbach RE (abst) 150
Riggio RR (abst) 270
Rigolosi R (abst) 141
Risquez A: *see* Lombardo et al 540
Risquez A (abst) 225
Ritchey EE, Wallin JD, Shah SV: Chemiluminescence and superoxide anion production by leukocytes from chronic hemodialysis patients ... 349
Ritchey EE (abst) 157
Rivas C (abst) 228
Rivero AJ (abst) 116
Riviere JE (abst) 212
Roberts C: *see* Kopple et al 694
Roberts C (abst) 201
Roberts JA, Domingue GJ, Martin LN, Kim JCS: Immunology of pyelonephritis in the primate model: Live versus heat-killed bacteria 297
Roberts JL (abst) 190
Roberts RH (abst) 142
Robertson CR (abst) 133
Robinette JB: *see* Conger et al 399
Robinette JB (abst) 197

Robinette M (abst) 390
Robinson RR (abst) 147
Robson AM (abst) 216
Roddis S (abst) 178
Rodella H (abst) 146
Rodriguez-Iturbe B, Baggio B, Colina-Chourio J, Favaro S, García R, Sussana F, Castillo L, Borsatti A: Studies on the renin-aldosterone system in the acute nephritic syndrome 445
Rodríguez-Iturbe B (abst) 136
Roe CR: *see* Murdock et al 710
Roe CR (abst) 133
Rogenes PR (abst) 255
Rogers A (abst) 119, 121
Rollins EL (abst) 191
Romero JC (abst) 164
Romoff MS (abst) 164
Roos JC (abst) 168, 174
Rosansky SJ (abst) ..... 136(2)
Roscoe J (abst) 388
Rosen S (abst) 231
Rosenbaum JL (abst) 157
Rosenbaum RW, Hruska KA, Korkor A, Anderson C, Slatopolsky E: Decreased phosphate reabsorption following renal transplantation: Evidence for a mechanism independent of calcium and parathyroid hormone 568
Rosenbaum RW (abst) 157, 215
Rosenkranz B, Kitajima W, Frolich JC: Relevance of urinary 6-keto-prostaglandin $F_{1\alpha}$ determination 755
Rosenzweig MS (abst) ..... 150(2)
Ross BD: *see* Alcorn et al 638
Rossetti R (abst) 196
Roth DA (abst) 136
Rothstein M (abst) 110
Roushey GW (abst) 160
Rowett D (abst) 143, 158
Roxe DM, del Greco F, Hughes J, Krumlovsky F, Ghantous W, Ivanovich P: Hemodialysis vs. peritoneal dialysis: Results of a 3-year prospective controlled study 341
Roxe DM (abst) 270
Roy D (abst) 210
Roy LP (abst) 128
Rubin A (abst) 270
Rubin AL (abst) 271
Rubin J, McFarland S, Hellems EW, Bower JD: Peritoneal dialysis during peritonitis 460
Rubin J (abst) 158
Rubin JE (abst) 158
Rubin RH (abst) 162
Rubio L (abst) 136
Rubler S (abst) 151
Russell GI (abst) 104
Russell RP (abst) 167, 174
Ryan B (abst) 390
Ryan GB: *see* Alcorn et al 638

Saal S (abst) 270
Saatci U (abst) ..... 103(3)
Sabatini S (abst) ..... 213, 230(2)
Sablay LB (abst) 162
Sabnis SG (abst) 178
Sachs G (abst) 129
Sackin H (abst) 255
Safirstein R (abst) 198, 201, 213
Sagar JS (abst) 174
Saglikes Y (abst) 164
Saiphoo C (abst) ..... 392(2)
Saiphoo CS (abst) 393
Saito H (abst) 138
Sajo IM (abst) 255
Sakellariou G (abst) 269
Salant DJ (abst) ..... 186(2), 190
Salkin M: *see* Roxe et al 341
Saltzman MJ: *see* Appel 471
Saltzman R: *see* Kopple et al 694
Salvatierra O (abst) 264, 266, 271
Samaras G (abst) 154
Samel J (abst) 137
San A (abst) 104
Sanchez G (abst) 122
Sander G (abst) 172
Sansom SC: *see* Weinman et al 83
Sansom SC (abst) 247, 261
Santhanam S (abst) 270
Sapin C: *see* Bariety et al 663
Sapir DG (abst) 225
Sarason RL (abst) 253
Sastrasinh M (abst) 213
Sastrasinh S (abst) ..... 225(2)
Sato KA (abst) 116
Sato M: *see* Abe et al 869
Sato M (abst) 189
Savin VJ (abst) 236, 254
Saxton J (abst) 130
Sayek I (abst) 104
Schacht RG (abst) 137, 188
Schafer JA (abst) 263
Schambelan M, Sebastian A, Rector FC, Jr.: Mineralocorticoid-resistant renal hyperkalemia without salt wasting (type II pseudohypoaldosteronism): Role of increased renal chloride reabsorption 716
Schambelan M (abst) 137
Schardijn GHC (abst) 137
Schiffl H (abst) 177
Schiffman G (abst) 124
Schloeder FX: *see* Stinebaugh et al 1
Schlondorff D (abst) 241, 247
Schmidt RW (abst) 256
Schmidt-Nielsen B (abst) 256
Schmitt G (abst) 158
Schneeberger EE (abst) ..... 179(2)
Schneider BE (abst) 177
Schnermann J, Briggs JP: Participation of renal cortical prostaglandins in the regulation of glomerular filtration rate 802
Schnermann J (abst) 235, 256
Schoelkopf L (abst) 239, 245
Schoenfeld P (abst) 144
Schoolwerth AC (abst) 175, 226
Schor N, Ichikawa I, Rennke HG, Troy JL, Brenner BM: Pathophysiology of altered glomerular function in aminoglycoside-treated rats 288
Schotz MC (abst) 212
Schouten H (abst) 128
Schreiber MJ (abst) 175
Schrier R (abst) 119, 167, 229, 244
Schrier RW: *see* Gross et al 839
Schrier RW (abst) 195

Schryver S (abst) 164
Schubert G (abst) 235
Schwartz AB (abst) 151
Schwartz GJ (abst) 256
Schwartz J (abst) 110, 116, 130, 206, 210, 246
Schwartz JH (abst) 236
Schwartz MM (abst) 125, 191
Schwartz RS: Immunologic and genetic aspects of systemic lupus erythematosus 474
Sciacca RR (abst) 251
Scott M (abst) 222
Scribner BH (abst) 122, 140
Scriver CR (abst) 220
Sealey JE (abst) 176
Sebastian A: *see* Schambelan et al 716
Sebastian A (abst) 137
Segal S (abst) 240, 249
Segel DP (abst) 121
Seifter J (abst) 257
Seigler HF (abst) 265
Sekar T (abst) 140
Selden R (abst) 270
Seligson G (abst) 190
Sellers BB, Jr (abst) 117
Senekjian HO, Knight TF, Weinman EJ: Micropuncture study of the handling of gentamicin by the rat kidney 416
Senekjian HO: *see* Weinman et al 83
Senekjian HO (abst) 247, 257, 261
Sengar DPS (abst) 394
Setayesh MR (abst) 219
Shah G (abst) 201
Shah SV: *see* Ritchey et al 349
Shah SV (abst) 157, 226
Shah T (abst) 140
Shahinfar S (abst) 270
Shahood J (abst) 231
Shalhoub RJ (abst) 191
Shani J (abst) 208
Shankel S (abst) 154
Sharma HM (abst) 139
Sharon Z (abst) 191
Shaw HF (abst) 113
Shellhase J (abst) 170
Shen F (abst) 140
Shen FH (abst) 159
Shere JT (abst) 126
Sherlock JE (abst) 191
Sherman RA (abst) 137
Sherrard DJ (abst) 127, 130
Sherriff S (abst) 619
Sheth KJ (abst) 136
Shiigai T (abst) 138
Shimomura A (abst) 236
Shinaberger JH (abst) 130
Shinobu L (abst) 226
Shinohara S (abst) 138
Sibley R (abst) 268
Siddiqui F (abst) 270
Siedlecki M (abst) 251
Siegel NJ, Gaudio KM, Krassner LS, McDonald BM, Anderson FP, Kashgarian M: Steroid-dependent nephrotic syndrome in children: Histopathology and relapses after cyclophosphamide treatment 454
Siegel NJ (abst) 200, 213
Siess W (abst) 215
Silis V (abst) 112
Silva P (abst) 258
Silverman M (abst) 226, 260
Silverstein A (abst) 159
Simard J (abst) 390
Simenhoff M (abst) 159
Simmons CF, Rennke HG, Humes HD: Acute renal failure induced by diethylaminoethyl dextran: Importance of cationic charge 424
Simmons RG (abst) 271
Simmons RL (abst) 268
Simon P (abst) 132
Simpson DP (abst) 153, 223
Sinclair NR (abst) 389
Singer FR (abst) 109, 130
Singer I: Lithium and the kidney (abst) 374
Singer R (abst) 141
Singh G (abst) 191
Sinicrope RA (abst) 175
Siqueira C (abst) 124
Sirin A (abst) 105
Sirota RA (abst) 162
Siu AL (abst) 257
Skinner SL (abst) 393
Skowsky WR (abst) 218
Slater P (abst) 142
Slatopolsky E: *see* Rosenbaum et al 568
Slatopolsky E (abst) 110, 116, 130, 145, 206, 210
Slavicek JM (abst) 168, 214
Slifkin RF (abst) 145
Smiley J (abst) 159
Smith D (abst) 226
Smith F (abst) 619
Smith MC (abst) 159
Smith RH (abst) 139
Smith WJ (abst) 164
Smolens P (abst) 214
Smyth D (abst) 394
Snider T (abst) 200
Sniderman KW (abst) 176
Snyder JW (abst) 118
Snyder M (abst) 125
Sobel BJ (abst) 179
Soeldner JS (abst) 150
Sohtell M (abst) 232
Solez K (abst) 214
Sombolos C (abst) 219
Sonnenberg H, Cheema-Dhadli S, Goldstein MB, Stinebaugh BJ, Wilson DR, Halperin ML: Ammonia addition into the medullary collecting duct of the rat 281
Sonnenberg H: *see* Cheema-Dhadli et al 80
Sonnenberg H (abst) 255, 262
Sorkin M (abst) 155, 160
Sos TA (abst) 176
Soung LS (abst) 140
Sova-Grim K (abst) 174
Spector DA (abst) 125
Speeg KV, Jr (abst) 249
Spees EK (abst) 271
Spencer P (abst) 207
Spitalewitz S (abst) 257
Spokes K (abst) 214, 258
Sprague SM (abst) 215
Sraer J (abst) 215

Sraer JD (abst) 215
Stachura I (abst) 126, 181, 191
Stamoutsos BA (abst) 238
Stanton B (abst) 237, 258
Stanton BA, Biemesderfer D, Wade JB, Giebisch G: Structural and functional study of the rat distal nephron 36
Starkman MT (abst) 138
Stathakis C (abst) 219
Statius van Eps LW (abst) 128, 137
Stauffer C (abst) 153
Stead WW (abst) 147
Steele TH (abst) 117
Steere AC (abst) 152
Stein J (abst) 208
Stein JH (abst) 214, 251
Stein RM (abst) 205
Stein S (abst) 247
Steinberg AD (abst) 119
Steinmetz PR: *see* Husted et al 491
Steinmuller D (abst) 135
Stenzel KH (abst) 270, 271
Stephenson AH (abst) 234
Steplock D: *see* Weinman et al 83
Sterns RH (abst) 215
Sterzel RB (abst) 184, 192
Stetson DM (abst) 239
Stevens B (abst) 149
Stewart RJ (abst) 258
Stier CT (abst) 175
Stiller CR (abst) 389, 391
Stilmant MM (abst) 186, 190
Stinebaugh BJ, Schloeder FX, Tam SC, Goldstein MB, Halperin ML: Pathogenesis of distal renal tubular acidosis 1
Stinebaugh BJ: *see* Sonnenberg et al 281
Stinebaugh BJ (abst) ..... 242(2), 255, 394
Stoff JS (abst) 258
Stokes JB (abst) 258
Stone NJ: *see* Roxe et al 341
Stout-Zonneveld AAM (abst) 137
Strand J (abst) 164
Strauss J (abst) 134
Striker GE (abst) 182
Strom TB (abst) 265
Stuart E (abst) 163
Stubbs AJM (abst) 393
Stubbs M (abst) 391
Stubenbord W (abst) 270
Stummvoll HK: *see* Graf et al 587
Stumpe KO (abst) 252
Stylianos S (abst) 391
Suarez DH (abst) 174
Subbarayudu K (abst) 213
Sugarman A (abst) 205
Sugimoto T (abst) ..... 136(2), 192
Suki WN (abst) 115, 240
Sullivan J (abst) 270
Sumpio BE (abst) 259
Sun FF, Tyalor BM, McGuire JC, Wong PYK: Metabolism of prostaglandins in the kidney 760
Surachno S (abst) 486
Surinder CD: *see* Sonnenberg et al 281
Susin M (abst) 131
Sussana F: *see* Rodriguez-Iturbe et al 445
Suthanthiran M (abst) 270, 271
Sutton RAL (abst) 118
Suwtheralingem K (abst) 182
Swamy AP (abst) ..... 160(3)
Swanson BN (abst) 166
Swartz C (abst) 138
Swartz RD (abst) 139
Swartz SH (abst) 222
Swendseid ME: *see* Kopple et al 694
Szalay L (abst) 117
Szego G (abst) 265
Szwed JJ (abst) 259

Takami T (abst) 193
Takeuchi J (abst) 138
Tallos J: *see* Kopple et al 694
Talor Z (abst) 227
Tam SC: *see* Stinebaugh et al 1
Tam SC (abst) ..... 242(2), 394
Tamayo JA (abst) 115
Tan U (abst) 104
Tanboga H (abst) 104
Tange JD: *see* Alcorn 638
Tanman F (abst) 105
Tannen RL (abst) ..... 225(2)
Tapia L (abst) 270
Tarazi RC (abst) 175
Tarr M (abst) 259
Tasdemir I (abst) 103
Tate SS (abst) 259
Taub K (abst) 391
Taub KJ: *see* Caldicott et al 687
Taube D (abst) 620
Taylor A (abst) 248
Taylor AG (abst) 234
Taylor BM: *see* Sun et al 760
Taylor PA (abst) 395
Teichberg S (abst) 249
Teitelbaum S (abst) 110, 130, 206
Teitelbaum SL (abst) 114
Teixeira RB (abst) 209, 215
Ten Veen JH (abst) 486
Terasaki P (abst) 266
Terragno A (abst) 207
Terreros DA (abst) 259
Terzian AR (abst) 262
Tetreault J (abst) 234
Tew W (abst) 110
Tew WP (abst) 117
Tewari HD (abst) 148
Textor SC (abst) 121, 175
Thiel G (abst) 121
Thiery G (abst) 240
Thomas CE: *see* Williams et al 503
Thomas SR: *see* Oken et al 359
Thompson AM (abst) 189
Thompson BT (abst) 146
Thornhill JA (abst) 145, 212
Thornton F (abst) 224
Thorpe LW (abst) 143
Tiller DJ (abst) 128
Tilney NL (abst) 265
Tisher CC (abst) 248, 265
Toback FG (abst) 219, 227
Tobian L (abst) 176
Tobin M (abst) 158
Tolkoff-Rubin N (abst) 162

Tomita K (abst) 138
Torelli J (abst)..... 205
Torikai S (abst)..... 224
Trachte GJ (abst)..... 166
Trainor C (abst) 260
Travis RH (abst)..... 176
Trigg D (abst) 235
Trinh-Trang-Tan MM (abst) 260
Trizna W: *see* Bar-Khayim et al..... 465
see also Yanagawa et al..... 705
Trizna W (abst)..... 200, 223
Troutman SL (abst)..... 263
Troy JL: *see* Hostetter et al 410
see also Schor et al..... 288
Troy JL (abst)..... 245
Tsitouras PD (abst) 195
Tucker CT (abst) 144
Turani H (abst)..... 105
Tsao T (abst)..... 222
Tsiakiris D (abst) 233
Tuck M (abst)..... 229
Tucker BJ (abst)..... 260
Turner ME (abst)..... 270

Ugoretz BA (abst) 172, 176, 263
Ulan RA (abst) 389, 391
Uldall PR (abst) 161, 395
Unger K (abst) 216
Uniewski M (abst)..... 265
Unikowsky B (abst)..... 395
Urbina D (abst)..... 217
Uribarri J (abst) 138

Vaamonde CA (abst)..... 114, 209, 215, 250
Valdivieso AJ (abst) 252
Van den Berg EK, Jr, Brazy PC, Huang AT, Dennis VW: Cisplatin-induced changes in sodium, chloride and urea transport by the frog skin 8
Van Es LA (abst)..... 485(2)
Vandewalle A, Farman N, Morin JP, Fillastre JP, Hatt PY, Bonvalet JP: Gentamicin incorporation along the nephron: Autoradiographic study of isolated tubules 529
Van Liew J (abst) 188
Van Rood JJ (abst) 485
VanStelle J (abst)..... 193
Van Stone JC (abst) 161
Vanuto R (abst) 131
Varghese Z: *see* Chan et al 625
Vas S (abst)..... 392
Vaughan ED, Jr (abst) 176
Vaughn WK (abst)..... 271
Vehaskari VM (abst)..... 216
Veith U: *see* Parekh et al..... 306
Velazquez H (abst) 260
Venkatachalam K (abst)..... 221
Venkatachalam M (abst)..... 208, 214, 251
Venuto R (abst) 250
Verani R (abst)..... 192
Verma P (abst) 172
Vernier RL (abst)..... 183
Vetto M (abst) 268
Vilbar RM (abst) 156
Villee DB (abst) 179
Vinay P (abst)..... 226, 227, 242, 389, 391, 394, 395
Vincente F (abst)..... 163
Vincenti F (abst) 264, 266, 271
Viscuso R (abst)..... 153
Vizzo J (abst) 140
Vlasses PH (abst)..... 166
Voight J (abst) 170
Voigts A (abst)..... 139
Vollmer WA (abst) 161
Vreman HJ: *see* Kaiser et al..... 70
Vreman HJ (abst)..... 204
Vulpetti N (abst) 265

Wade JB: *see* Stanton et al 36
Wadhwa M (abst)..... 205
Wahl PW (abst) 161
Wahman RE (abst) 127
Wald H (abst)..... 211, 240
Walker BR (abst)..... 177
Walker G (abst) 172
Walker PJ (abst)..... 145
Walker RG (abst)..... 129
Walker WG (abst) 110, 117, 167, 174
Wallin JD: *see* Ritchey et al 349
Wallin JD (abst) 157
Wallis V (abst) 217, 228
Wallner K (abst)..... 139
Walls J (abst) 104
Walsh PC (abst) 167, 174
Walshe JJ (abst) 125
Walter L (abst)..... 162
Wang LH (abst) 154
Wapnir R (abst) 249
Ward HJ (abst)..... 192
Wardle EN (abst)..... 620
Ware R (abst) 246
Warnock DG (abst) 261
Warren S (abst) 178
Warren SE (abst)..... 177(2)
Wasserstein AG (abst) 261
Wassner SJ (abst) 216
Watanabe H (abst)..... 118
Wathen RL (abst) 123
Watson J (abst)..... 205
Watson RL (abst)..... 169
Waugh R (abst)..... 128
Wax C (abst)..... 154
Webb RC (abst) 108
Weber JL (abst) 261
Weber PC (abst)..... 256
Wedeen RP (abst) 194
Weed S (abst)..... 169
Weeing JJ (abst)..... 485(2)
Weidmann P (abst) 177
Weiman FJ (abst)..... 247
Weiner MW (abst)..... 204
Weinberg JM (abst)..... 213, 216
Weinberger MH (abst) 171
Weiner MW: *see* Kaiser et al 70
Weiner MW (abst)..... 227
Weinman EJ, Steplock D, Sansom SC, Knight TE, Senekjian HO: Use of high-performance liquid chromatography for determination of urate concentrations in nanoliter quantities of fluid ... 83
Weinman EJ: *see* Senekjian et al..... 416
Weinman EJ (abst) 257, 261
Weinrauch L (abst)..... 216
Weinstein DL (abst) 173

Weinstein MP (abst) 137
Weinstein S (abst) 228, 250
Weir EK (abst) 168
Weise M (abst) 207
Weisinger JR (abst) 217, 228
Weiss MS (abst) 128
Welbourne TC (abst) 228
Weller JM (abst) 139
Welling DJ (abst) 262
Welling LW (abst) 262
Wells G (abst) 392
Wemmer D (abst) 227
Wenk M (abst) 121
Westenfelder C (abst) 163, 217, 228, 230, 241
Whang R (abst) 164
Wheat R: *see* Hemstreet et al 275
Whelton A (abst) 214
Whelton PK (abst) 167, 174
White RHR (abst) 620, 621
White RI (abst) 167, 174
Whiteside CI (abst) 395
Whiteside TL (abst) 191
Widman L (abst) 172
Wiegmann TB (abst) 155
Wilcox CS (abst) 178
Wilkes B (abst) 133
Wilkes BM (abst) ..... 217(2)
Wilkinson B (abst) 215
Williams AE (abst) 152
Williams AV (abst) 144
Williams DG (abst) 620
Williams GW (abst) 139, 167, 174, 271
Williams R (abst) 195
Williams RH, Thomas CE, Navar LG, Evan AP: Hemodynamic and single nephron function during the maintenance phase of ischemic acute renal failure in the dog 503
Williams VL (abst) 191
Willis LR (abst) 262
Wilmink JM (abst) 486
Wilson A (abst) 138
Wilson CB (abst) 192, 251
Wilson DR: *see* Sonnenberg et al 281
Wilson DR (abst) 255, 262
Windhager EE (abst) 248
Winer R (abst) 201
Winer RL (abst) 139, 218
Wingo CS (abst) 262
Wolf A: *see* Graf et al 587
Wolf CJ (abst) 111
Wolf J (abst) 270
Wolfish NM (abst) 394
Wolfson M (abst) 161
Wong NLM (abst) 116
Wong PYK: *see* Sun et al 760
Woodard T (abst) 148
Woods F (abst) 161
Work J (abst) 263
Wright FS (abst) 260
Wright JD (abst) 152
Wu L (abst) 205
Wu MJ (abst) 140
Wyatt RJ (abst) 193
Wyndham RN (abst) 225

Xefteri E (abst) 219

Yakupoglu G (abst) ..... 103(3)
Yalin R (abst) 103, 104
Yamauchi H (abst) 253
Yanagawa N, Trizna W, Bar-Khayim Y, Fine LG: Effects of vasopressin on the isolated perfused human collecting tubule 705
Yanagawa N (abst) 118, 169, 170, 200, 218
Yap P (abst) 152
Yarger WE (abst) 206
Yasavul U (abst) 103
Yaycioglu A (abst) 103
Yee VJ (abst) 261
Yesilbek T (abst) 105
Yeung H (abst) 395
Yoburn DC (abst) 150
Yoshikawa N (abst) 621
Yoshinago K: *see* Abe et al 869
Young DB (abst) 263
Young J (abst) 214
Young JB (abst) 142
Yucel Y (abst) ..... 104(2)
Yudis M (abst) 162
Yung NN (abst) 172, 176, 263
Yurtkuran M (abst) ..... 104(2), 105

Zabriskie JB (abst) 182
Zafar T (abst) 162
Zager PG (abst) 178
Zager RA (abst) 143, 195, 218
Zambraski EJ (abst) 218
Zanetti M (abst) 193
Zawada ET, Jr (abst) 229
Zegarra H (abst) 122
Zellerman G (abst) 146
Zenser TV (abst) 108, 263
Zerefos N (abst) 219
Zevin D (abst) 105
Ziegler WH (abst) 177
Zimmerman AL (abst) 162
Zimmerman SW (abst) 153, 193
Zusman RM (abst) 162

Subject Index for Volume 19

Abdominal sepsis
  glomerular disease and 609
Acetate, plasma
  and acid-base changes in children on hemodialysis 70
Acetazolamide
  effect on bicarbonate reabsorption by papillary collecting duct (abst) 254
  effect on deep nephrons and distal structures (abst) 237
Acetylcholine
  effect on early phase of acute renal failure 399
Acid-base metabolism
  during hemodialysis in children 70
Acid excretion
  of adrenalectomized rat 516
Acidosis
  acute unilateral nephrectomy and (abst) 237
  effect on luminal and antiluminal transport (abst) 226
  effect on potassium delivery to end-descending limb of juxtamedullary nephron (abst) 255
  from paint sniffing (abst) 139
  hyperkalemic, hyperchloremic *a.* (abst) 119, 120
  interorgan control of (abst) 228
  nephron sites of ammonia addition in (abst) 255
  of distal tubule, pathogenesis 1
  role of PTH in (abst) 110, 114
  renal adaption to, in chicken (abst) 389
  renal glutamate dehydrogenase pathway in 540
Adrenalectomy
  renal net acid excretion after 516
  vasopressin-sensitive cAMP in (abst) 203
Aldosterone
  binding sites for, in rabbit nephron (abst) 246
  effect on sodium transport and citrate synthase activity (abst) 245
  effect on transepithelial PD of distal tubule 678
  in acid-base balance (abst) 225
  target sites for, in renal medulla (abst) 248
Alkaline phosphatase
  in nephrotic syndrome 710
Aluminum
  removal by hemodialysis 587
Amantadine hydrochloride
  renal function impaired with (abst) 140
American Society of Nephrology
  1979 abstract rating for (abst) 129
Amiloride
  to study distal nephron hydrogen ion secretion (abst) 394
  to treat Bartter's syndrome and Liddle's syndrome (abst) 127
Aminonucleoside
  and renal disease (abst) 198
Aminoglycosides
  effect on glomerular function 288
  nephrotoxicity from; micropuncture study of 416
  renal transport of (abst) 252
Ammonia, renal
  genesis of (abst) 224, 225
  in medullary collecting duct 281
  micromethod to measure 80
Angioplasty, percutaneous transluminal
  blood pressure and renin secretion before and after (abst) 176
Angiotensin
  prostaglandins' effect on ..... 250 (abst), 816, 822
  receptors for, in glomeruli vs. arterioles 687
Angiotensin II
  altered sodium balance effect on (abst) 394
  desensitization of renal vasculature to (abst) 172
  furosemide as competitive inhibitor of (abst) 166
  receptors in rat mesangial cells (abst) 163
Antibody, *see also* Immunology
  to rat Fx1A (abst) 179
Antidiuretic hormone
  action in down-regulation of sodium chloride transport in medullary thick ascending limbs (abst) 244
  inappropriate secretion of; volume-dependency of (abst) 388
  natriuresis in hypophysectomized dogs and (abst) 230
  prostaglandins' effect on 831, 839, 851
Antiinflammatory agents, nonsteroidal
  acute interstitial nephritis with (abst) 132
Antimicrobial therapy
  and pyelonephritis 654
Antiplatelet agents
  to modify progressive renal ablation nephropathy (abst) 193
Antishock trousers
  to stimulate renal effects of weightlessness (abst) 124
Antithymocyte globulin
  in cadaver kidney transplantation 438
Arginine vasopressin, *see also* Vasopressin
  and cellular calcium uptake (abst) 244
  hemodynamic response of, in health (abst) 165
  inhibitor of vascular effects of (abst) 229
Arterioles, renal
  angiotensin receptors in, vs. those in glomeruli 687
Aspirin
  renal effects of (abst) 103
Autologous immune complex nephritis
  modulation of by preimmunization (abst) 181
Azotemia
  and diuretic therapy; role of urea production in (abst) 205
  hyperkalemia and hypoaldosteronism during converting enzyme inhibition in (abst) 175

Bacteria
antibody-coating of; in urine of patients with pyelonephritis ... 65
in urinary tract disease; related to renal disease ... 58
Bartter's syndrome
chloride-leak hypothesis reevaluated in (abst) ... 137
prostaglandins and ... 87
Berger's disease, *see* IgA nephropathy
Bradykinin
role in renal interstitial pressure (abst) ... 244
Brush border membrane
carbonic anhydrase activity in (abst) ... 256
energy-dependent binding of AII to (abst) ... 235
Brush border vesicles
chloride transport pathways in (abst) ... 261

Cadmium nephropathy
molecular basis for (abst) ... 210
Calcium
cyclic nucleotides and prostaglandins' effect on, in toad bladder (abst) ... 117
in phosphate reabsorption after transplantation ... 568
prostaglandins' effect on cellular uptake of ... 15
Calcium nephrolithiasis
crystal nucleation and (abst) ... 114
Captopril
during hemorrhagic hypotension (abst) ... 388
effect on isolated perfused rat kidney (abst) ... 175
leukopenia and (abst) ... 169
Carbonic anhydrase cells
of turtle urinary bladder ... 491
Cardiac glycosides
effect on renal and cardiac Na-K-ATPase (abst) ... 204
Cardiac surgery
glomerular filtration following (abst) ... 133
Catecholamines
adrenergic and dopaminergic receptors for (abst) ... 239
effect in mouse thick ascending limb of Henle's loop (abst) ... 253
renal function and patterns in excretion of (abst) ... 168
Cationic charge
as determinant in nephrotoxicity ... 424
Cell culture
of transporting renal epithelial monolayer ... 465
Cephalexin
to prevent peritonitis in dialysis (abst) ... 392
Chlorambucil
long-term effects of, in nephrotic syndrome of childhood (abst) ... 135
Chloride transport
cisplatin effects on ... 8
in type II pseudohypoaldosteronism ... 716
Cimetidine
effect on uremia (abst) ... 111
Cirrhosis
role of prostaglandins in (abst) ... 218
Cisplatin
effects on epithelial transport ... 8
Clonidine
withdrawal of, in dialysis (abst) ... 174
Concentrating defect
in potassium depletion, role of papillary plasma flow (abst) ... 252
Cortex, renal
gluconeogenesis, and NAD^+ in (abst) ... 221
Cortex, superficial
PAH short circuited in (abst) ... 228
Cortical collecting ducts
bicarbonate secretion by (abst) ... 233
Cyclophosphamide
effect in autologous immune complex glomerulonephritis (abst) ... 180, 389
effect on steroid-dependent nephrotic syndrome in children ... 454
hemodialyzability of (abst) ... 154
Cyclosporin A
mechanisms of immunosuppression (abst) ... 389
Cytochalasins
reversible alteration in peritoneal permeability by (abst) ... 155

Denervation, renal
diuresis and natriuresis in conscious dogs with (abst) ... 255
Deoxycorticosterone acetate (DOCA)
effect in potassium-depleted rats (abst) ... 251
Diabetes
ADH and PGE_2 effects on medulla in (abst) ... 220
continuous ambulatory peritoneal dialysis in (abst) ... 391
d. insipidus
ADH-dependent nephron heterogeneity in hereditary hypothalamic type of (abst) ... 260
d. mellitus
glomerular hemodynamics in ... 410
d. nephropathy
coronary angiography effect on (abst) ... 135
hyperkalemia and, role of renin (abst) ... 178
model for; drug-induced (abst) ... 215
prevention by diet (abst) ... 186
renin-angiotensin-aldosterone system in (abst) ... 138
retinopathy with (abst) ... 125
ketone bodies and (abst) ... 391
proteinuria and glycosuria in (abst) ... 211
Dialysis, *see also* Hemodialysis, Hemofiltration, Hemoperfusion
acetate dialysate for
and succinate (abst) ... 151
hypoxemia during (abst) ... 140
vs. bicarbonate in (abst) ... 144, 161
at home (abst) ... 392
bicarbonate dialysate for; hypoxemia during (abst) ... 140
body heme turnover in (abst) ... 211
diabetes and
glycosylated hemoglobins in (abst) ... 160
hyperglycemia in (abst) ... 141
effect of dialysate sodium and fluid removal (abst) ... 161
ethanol and (abst) ... 160
exclusion from; sociologic and legal perspective ... 739
hepatitis profiles in (abst) ... 160
hypertension in; treated by captopril (abst) ... 142
and hypotension, etiology and prevention (abst) ... 148, 393

early correction of (abst) 156
hypoxemia with
leukopenia and dialysate composition's effect on (abst) 147
lipids in 625
manganese toxicity in, with pancreatitis (abst) 395
middle molecule hypothesis modified (abst) 159
nitrosodimethylamine and (abst) 159
osteomalacia and
normal bone scan in (abst) 394
secondary to aluminum toxicity in (abst) 149
recirculation in superior vena cava with 2-needles and (abst) 143
Redy vs. single-pass (abst) 390
rehabilitation status of American patients on (abst) 147
self-dialysis; successful use of (abst) 150
siderosis from (abst) 141
Dialysis, peritoneal
arachidonic acid and PGE_2's effect on (abst) 146
automated delivery machine to prepare sterile bicarbonate dialysate for (abst) 149
automated long-cycle type of (abst) 144
continuous ambulatory *p.d.*
amino acid losses during (abst) 152
complications of (abst) 153
drainage volumes, clearances, glucose absorption, and protein losses in (abst) 160
during peritonitis (abst) 157
glucose absorption during 564
in children (abst) 162
in high-risk patients with renal failure (abst) 155
in uremic rabbits (abst) 146
massive pleural effusion secondary to (abst) 152
nitrogen balance in (abst) 144
PTH and mineral metabolism in (abst) 145
surface sterilization of tubing for (abst) 150
vs. intermittent *p.d.* (abst) 153
continuous cycle type of (abst) 145
convective vs. diffusive solute removal during (abst) 155
diabetes and (abst) 146, 162
during peritonitis (abst) 141, 158, 460
filters to reject protein and bacteria during (abst) 145
imidazole and (abst) 143
peritoneal-fluid eosinophilia in (abst) 149
prostaglandin's effect on (abst) 146, 148
protein losses during 593
pulmonary function testing during (abst) 140
pseudomembranous colitis and cloudy peritoneal drainage in (abst) 148
refr[illegible]ory hemodialysis ascites treated by (abst) ... 149
[illegible]off catheter placement in (abst) 143
[illegible]nodialysis 341
[illegible]s
[illegible]ie use of
[illegible]y and efficacy of 728
[illegible]f (abst) 392
[illegible] suspension *d.*; microprocessor control of [illegible] 142
cis[illegible]minedichloroplatinum
lo[illegible]erm pathologic effects of (abst) 181
nephrotoxicity of; pressure flows in initial phase of (abst) 213
Dichloromethylene diphosphonate
renal excretion of (abst) 113
Diethylaminoethyl dextran
nephrotoxicity of 424
Dithiothreitol
effect on vasopressin-sensitive adenylate cyclase (abst) 236
Diuretics
abuse of; and idiopathic edema 881
effects on body fluid composition (abst) 164
effect on thick ascending limb Na-K-ATPase activity (abst) 231
Dopamine
effect on fluid reabsorption in straight portions of proximal tubules (abst) 244
effect of sodium intake on renal receptors for (abst) 245
Dopamine β-hydroxylase
myocardial function and (abst) 177
Duodenal mucosa
in renal failure 324
Dysautonomia
renal functional impairment in (abst) 137

Edema, idiopathic
role of diuretic abuse in 881
Electrophysiology
of distal tubule, electrode techniques 24
Epithelium, renal
cisplatin's effects on 8
effect of vasopressin and actin filaments on (abst). 230
in vivo culture of tubular 465
of turtle urinary bladder 491
prostaglandins' effect on electrolyte transport at 791
sodium chloride and osmotic force in (abst) 235
sodium to induce growth of (abst) 227
Epinephrine
effect on distal tubular potassium secretion (abst). 237
Escherichia coli
in immunology of pyelonephritis 297
Estrogen
effects in normal and pyelonephritic rat kidney (abst) 104

Fabry's disease
and renal failure (abst) 136
Fanconi syndrome
proline transport and (abst) 249
Fasting
and renal adaptation to dietary amino acid change (abst) 240
Fatty acids
and renal function (abst) 221
Ferritin
uptake in nephron, influence of charge on (abst) 248
Fibrinolytic enzyme
lysis of occlusive renal pelvic blood clot by (abst). 135
Fibronectin
antibodies to (abst) 193
Furosemide
effect on acute renal failure induced by cis-diamminedichloroplatinum (abst) 201
effect on distal tubule (abst) 165, 250

Genetic studies
of systemic lupus erythematosus....474
Gentamicin
acquired insensitivity to (abst)....199
effect on glomerular function....288
micropuncture study of rat kidney's handling of ...416
nephrotoxicity of
brush border membrane receptors for (abst)....213
cortex electrolyte content and Na-K-ATPase activity in (abst)....197
subcellular morphologic changes in (abst)....212
PAH transport and (abst)....194
tubular sites of accumulation of....529
uptake by polycations (abst)....222
Glomerular disease
and abdominal sepsis....609
diagnosis when two diseases coexist (abst)....178
Glomerular dysmembranosis
chronic gross hematuria and (abst)....139
Glomerular sclerosis
intraglomerular thrombosis preceding (abst)....128
Glomerulonephritis
endothelial cell in vitro study of (abst)....182
focal segmental *g.* with unilateral renal agenesis (abst)....185
glomerular leakage of proteins in, immunoenzymatic study....663
HBsAg glomerular deposits in....579
hypertension's effect on (abst)....188
idiopathic acute crescentic rapidly progressive *g.*; pulse methylprednisolone therapy for (abst)....120
IgA mesangial *g.*; genetic study of (abst)....134
immune complex *g.*
abrogation of (abst)....193
PGE to alter (abst)....187
in systemic vasculitis: treatment and outcome (abst)....486
malarial *g.*; immune complexes and (abst)....192
membraneous *g.*; Waldenstrom's macroglobulinemia and (abst)....190
membranoproliferative *g.*, type III; clinicopathologic study of (abst)....178
nonspecific *g.*
immunosuppressive therapy for (abst)....104
poststreptococcal *g.*; long-term prognosis of (abst)....136
rapidly progressive *g.*
megadose methylprednisolone vs. plasmapheresis for (abst)....121
Glomerulotubular nephropathy
genetics and (abst)....188
Glomerulus
angiotensin receptors in, vs. receptors in arterioles....687
capillary hydraulic pressure of; overestimated by stop-flow pressure measurement (abst)....245
clearing of macromolecules by, with ferritin (abst)....184
effect of mercuric chloride and uranyl nitrate on ultrafiltration coefficient in (abst)....236
epithelial cells of
anionic sialoproteins from....553
filtration differences in rat and dog (abst)....209
g. filtration rate
during complete ureteral obstruction in rats....603
new method to measure (abst)....250
prostaglandins' effect on....802
hemodynamics of, in aged rats (abst)....195
in Heymann nephritis and puromycin aminonucleoside nephrosis (abst)....191
isolated perfusion of (abst)....251
light emission by (abst)....226
lymphokine infusion and histology of (abst)....191
network thermodynamic model of....359
of aminoglycoside-treated rats....288
oxygen-free prostaglandin production by (abst)....219
polyanions' role in (abst)....216
synthesis of charge barrier components by (abst)....182
ultrafiltration coefficient of; effect of salt depletion and hemorrhage on (abst)....254
Glucagon
as regulator of potassium excretion in sheep (abst)....253
effect in early streptozotocin diabetes (abst)....221
Glucocorticoid therapy
and osteopenia (abst)....114
skeletal cAMP response to PTH in (abst)....206
Glucose absorption
during continuous ambulatory peritoneal dialysis....564
Glutamate dehydrogenase
in intact acidotic dog....225 (abst), 540
Glutamate (^{14}C-)
to measure renal ammonia....80
Goodpasture's disease
in rabbit (abst)....183
Growth factors, renal
transferrin metabolism in (abst)....219

HBsAg deposits
in glomerulonephritis....579
Heart disease, congenital
growth failure and renal tubular acidosis in (abst). 124
Heart failure
in uremia, trace elements in (abst)....210
Hemodialysis, *see also* Dialysis
access morbidity of (abst)....141
acetate *h.*; adverse ocular effects of (abst)....157
acetate and bicarbonate *h.*; oxygen consumption and respiratory quotient during (abst)....145
ambulatory blood pressure monitoring in (abst)....151
androgen-induced hepatocell carcinoma in (abst)...105
and sequential ultrafiltration; myocardial performance during (abst)....154
ascites with, in anephric patients (abst)....156
chronic *h.*
calcium carbonate and hypercalcemia in (abst)....195
oxidative burst in infection during (abst)....157
polymorphonuclear leukocytes in....349
sex, work status, and survival in (abst)....153
cimetidine therapy and, for tertiary hyperparathyroidism (abst)....143
endemoepidemic hepatitis B with (abst)....151
fluoride intoxication in (abst)....154
for chronic renal failure
dipyridamole and....103
effect of proteins and diet during (abst)....105

endocrine function tests in (abst) 103
lipoprotein changes in (abst)....104
serum cAMP levels and (abst)....103
in children; acid-base metabolism in....70
maintenance *h.*
cessation of anabolic steroids in (abst)....158
high hematocrit in (abst)....144
legionella pneumophila and Pittsburgh pneumonia in patients on (abst)....151
long-term survival on (abst)....142
mannitol-induced diarrhea for excessive weight gain in (abst)....148
myocardial abnormalities with (abst)....150
nutritional status in patients on (abst)....161
pericardial effusion treatment during (abst)....156
PGI_2 substitution for heparin in (abst)....159
non-A non-B hepatitis in (abst)....152
osteomalacia and; aluminum intoxication in (abst). 115
PGE blood levels during (abst)....158
saliva zinc and taste acuity in (abst)....159
sleep apnea during (abst)....162
sorbent regenerative system of; acute respiratory acidosis with (abst)....147
to remove aluminum....587
vs. peritoneal dialysis....341
prostacyclin and heparin's effect on (abst)....147, 162
vagal neuropathy in nondiabetic patients on (abst)....122

Hemofiltration
lipoprotein lipase inhibitor removal during (abst)...154
plasma calcium and PTH during (abst)....156
vs. hemodialysis; to study postdilutional sodium flux (abst)....146

Hemoperfusion
coated-charcoal *h.*; for drug intoxication (abst)....391

Henoch-Schönlein purpura
circulating IgA immune complexes in (abst)....485

Henoch Schönlein syndrome nephritis
immunoregulatory abnormalities in (abst)....180

Heparin
during dialysis; variable requirements of (abst)....392

Hepatitis B virus
immune response to (abst)....191
in glomerulonephritis....579

Heymann nephritis
brush border antigen lacking in (abst)....187
cyclosporin A to prevent (abst)....185
incomplete Freund's adjuvant to induce tolerance to (abst)....185
passive *H.n.*; new glomerular antigen in (abst)....183
reimmunization with Fx1A and tubular damage in (abst)....188
role of age in (abst)....184
subepithelial immune deposits in (abst)....186

Hippuran clearance
vs. PAH to assess renal plasma flow....49

HLA typing
in benign familial hematuria and Alport's syndrome (abst)....394

Homocystine
uptake by rat cortical tubules (abst)....240

Hydralazine
renal disease and (abst)....198

Hydrogen ion pump
ATP synthesis and (abst)....228

Hydrogen ion secretion
acidemia and, in distal nephron of dog (abst)....242
control of, in distal nephron (abst)....242
in distal tubule in acidosis....1
in distal tubule of hypothyroid rat (abst)....250
in turtle urinary bladder....491
vanadate and, in turtle bladder (abst)....230

Hydronephrosis
cortical PG synthesis and (abst)....198

Hypercalcemia
and renal acid handling (abst)....111

Hypercalciuria
renal calcium leak in (abst)....134

Hyperkalemia
chronic *h.*; chloride absorption in siblings with (abst)....121
mineralocorticoid-resistant *h.* without salt wasting; chloride reabsorption in....716

Hyperparathyroidism, familial hypocalciuric
furosemide and hydrochlorothiazide's effects on (abst)....118

Hypertension
AI and AII in (abst)....163
abnormal renal angiogram with (abst)....128
calcium intake in (abst)....165
diabetes and; effects of potassium-wasting diuretics on (abst)....172
essential *h.*
beta-blocking therapy and (abst)....165
chlorthalidone in, to study blood pressure response (abst)....174
low-renin type; diuretic therapy for (abst)....166
sodium intake and plasma norepinephrine in (abst)....164
guanabenz and hydrochlorothiazide in (abst)....177
hyperparathyroidism and (abst)....169
hypomagnesemia in (abst)....164
iatrogenic *h.*; in postmenopausal osteoporosis (abst)....123
kallikrein-kinin system and (abst)....169
neonatally induced, hemodynamic profiles in (abst)....163
obesity and (abst)....174
of middle age, effects of low sodium intake, diuretics, and propranolol (abst)....173
parathyroidectomy and, effect on urinary electrolyte excretion (abst)....263
PGE_2 and (abst)....176
renin-aldosterone system in....445
renin and prostaglandins in (abst)....178
renovascular *h.*
bradykinin and PGE in (abst)....172
medical vs. surgical therapy for (abst)....167
renography to assess renal plasma flow in....49
spontaneous *h.*
calcium metabolism and PTH function in (abst). 172
parathyroidectomy and (abst)....176
renal hemodynamics in young with (abst)....175
renal vascular resistance in (abst)....168
unilateral renal *h.*; catecholamines, sodium, and renin in (abst)....177
urinary kallikrein in, after transplantation (abst)....163

Hypertonic solutions
and roentgen contrast agents, renal vascular responses to (abst) 246
Hyperventilation, acute
hypophosphatemia and (abst) 113
Hypoproteinemia
effect on jejunal absorption in purine aminonucleoside nephrotic rats (abst) 249
Hypotension
in anephric patients (abst) 135
hemorrhagic *h.*; captopril's effects on (abst) 196

Immune complexes
before and after renal transplantation 332
lumen-mesangial transfer of (abst) 184
i.c. glomerulopathy induced by mercury; immunoregulation and antinuclear antibodies in (abst) . 485
in urine, diagnostic value (abst) 181
Immunoenzymatic study
of glomerular protein leakage in glomerulonephritis 663
Immunoglobulin A
in glomeruli of patients with nephritis (abst) 180
Immunoglobulin A nephropathy (Berger's disease)
circulating immune complexes and deposits in (abst) 189
complement component and proteins in (abst) 193
immune abnormalities in (abst) 191
Immunoglobulins
and protein loss during peritoneal dialysis 593
Immunology
antibody-coating of bacteria in urine 65
assay for circulating immune complexes (abst) 189
of cultured tubular cells 275
of glomerular basement membrane (abst) 182, 393
of glomerular injury, role for synergism (abst) 187
of Ia antigens in mouse kidney (abst) 391
of minimal change nephrotic syndrome, focal glomerulosclerosis, and systemic lupus erythematosus (abst) 180
of pyelonephritis, with live vs. heat-killed bacteria 297
of systemic lupus erythematosus 474
of T-cell-mediated immunity to hapten-conjugated renal cells (abst) 181
of tubular epithelial antigen and glomerular permeability (abst) 190
Immunosuppression
malakoplakia secondary to (abst) 388
Indomethacin
effects on diseased kidney before and after removal of control kidney (abst) 202
Infection
and pyelonephritis 654
Insulin
metabolism in renal uptake of (abst) 222
secreted from islet cells obtained in uremia (abst) . 228
Iodine 123 hippuran renography
to assess renal plasma flow 49
Iothalamate clearance
to study nephrotoxicity of tobramycin and gentamicin (abst) 130
Ischemia
ATP-magnesium chloride and recovery from (abst) 200
effect of perfusate calcium on (abst) 196

Kallikrein-kinin system
after unilateral renal artery constriction (abst) 170
effect of AI on, in urine (abst) 170
prostaglandins effect on, 252 (abst) 860, 869
α-Ketoglutarate dehydrogenase
in pH control of kidney (abst) 226
Kidney stones
analysis of, as predictor of urine chemistry (abst) . 389

Lactic dehydrogenase and its isoenzymes
in hydronephrotic kidney (abst) 224
in nephrotic syndrome 710
Leukocytes
function of, in chronic dialysis patients 349
Lipid A
in immunology of tubular cells 275
Lipids
in uremia, dialysis, and transplantation 625
Lithium therapy
and the kidney 374
lesion of cortical collecting tubules with (abst) 185
nephrotoxicity of (abst) 129
polyuria induced by, morphology (abst) 200
urinary acidification indices of (abst) 130
Lupus erythematosus, systemic
immunologic and genetic aspects of 474
serologic features and glomerular pathology in (abst) 190
with diffuse proliferative glomerulonephritis, monthly plasmapheresis for (abst) 389
Lupus nephritis, *see* Nephritis, lupus

Magnesium, serum
in acute respiratory alkalosis and acidosis (abst) 109
Maleic acid
and tubular necrosis (abst) 192
Mannitol
and mechanism of osmotic diuresis 431
Medullary collecting duct
ammonia added into 281
urea reabsorption in, with low protein diet and urea infusion (abst) 262
Membrane physiology
and sodium-sugar cotransport system (abst) 253
and solute accessibility during incubation (abst) 220
basolateral membrane of toad; sodium-calcium exchange in (abst) 236
chloride transport in, in necturus renal microvillus vesicles (abst) 257
imidoesters to reverse vasopressin's action on (abst) 254
insulin degradation and (abst) 227
Membranous nephropathy
antibody charge and subepithelial immune deposits in (abst) 186
role of electric charge in (abst) 183
Mercuric chloride nephrotoxicity
mitochondrial dysfunction in (abst) 216
Mevalonic acid
in nephrotic hypercholesterolemia (abst) 222

Mineralocorticoids
and type II pseudohypoaldosteronism; chloride transport in....716
Mitochondria
cortical *m*; pH gradient in (abst)....223
damage in nephrotoxicity....424
Molecular weight markers
distribution of, in postglomerular circulation (abst)....260
Multiple myeloma
renal failure and (abst)....214
Myocardial infarcts
glomerular dynamics in (abst)....203
Myoglobin
nephrotoxicity of (abst)....200

Natriuresis
head-out water immersion in awake dog and (abst)....240
Natriuretic factor
purification of (abst)....247
Nephrectomy
partial *n*; magnesium adaptation in (abst)....207
potassium uptake during potassium infusion and (abst)....215
role of luminal membrane in reduced mass from (abst)....203
uninephrectomy; compensatory adaptation to, in newborn (abst)....196
Nephritic syndrome, acute
renin-aldosterone system in....445
Nephritis
hereditary *n.*; glomerular basal lamina changes in (abst)....621
interstitial *n.*
acute *i.n.* due to drugs (abst)....131
antibody-dependent cellular cytotoxicity in (abst)....189
suppressed by autologous anti-idiotypic immunity (abst)....188
lupus *n.*
cyclophosphamide plus azathioprine (abst)....119
high fat diet in mice with (abst)....184
immunoglobulin deposition in skin to confirm (abst)....135
plasmapheresis for, without circulating immune complexes (abst)....126
renal vascular lesions in normotensive patients with (abst)....179
segmental necrotizing type of (abst)....126
total lymphoid irradiation and (abst)....186
Nephrocalcinosis
phosphocitrate's effects on (abst)....117
Nephron
distal *n.*
damage of, during isolated kidney perfusion....638
structure-function study of, in rat....36
filtration rate
auto regulation of (abst)....256
in experimental diabetes mellitus....410
in ischemic acute renal failure in dog....503
handling of gentamicin....416
Nephropathy
minimal change *n.*
cyclophosphamide's effect on lymphocyte function during remission of (abst)....620
obstructive *n.*
isolated nephron segments in model of (abst)....202
prostaglandins and vascular tone in....786
sickle cell *n.*; indomethacin's effects on (abst)....128
Nephrotic syndrome
immune deficiency in (abst)....190
in elderly; incidence of malignancy in (abst)....127
lactic dehydrogenase, its isoenzymes, and alkaline phosphatase in....133 (abst), 710
liver metabolism in (abst)....138
minimal change *n.s.*; circulating immune complexes in (abst)....620
no bone disease with normal renal function in (abst)....130
sodium retention in (abst)....197
steroid-dependent *n.s.* in children; cyclophosphamide's effect on histopathology and relapses of....454
Nephrotoxicity
of gentamicin; sites of accumulation....529
of netilmicin and amikacin (abst)....125
Nerves, renal
tubular secretion of norepinephrine released from (abst)....262
Nil disease
and focal glomerular sclerosis with Hodgkin's lymphoma (abst)....126
^{31}P-NMR
to study kidney metabolism in vivo (abst)....227
Norepinephrine
in model of acute renal failure; effect of acetylcholine on....399
pressor response to, in normal man (abst)....173

Obesity
prostaglandins and renin-aldosterone system in (abst)....229
Osmoregulation
changes in atmospheric pressures and (abst)....239
Osmotic diuresis
mechanism of....431
Osteodystrophy, renal
autotransplantation after parathyroidectomy for (abst)....108
osteomalacic type *o.*; bone aluminum in (abst)....127
Osteomalacia, dialysis
PTH response to acute hypocalcemia in (abst)....130
Oxygen consumption
in postischemic acute renal failure....306
Ozolinone
renal action of (abst)....251

Papilla, renal
collecting duct of
acid disequilibrium pH's role in P_{CO_2} of (abst)....238
vasopressin-sensitive cAMP system in (abst)....239
drug-induced necrosis of; role of urinary concentration (abst)....213
exposed and micropunctured in vivo (abst)....210
functional anatomy of, in mammals (abst)....256
plasma flow of; effects of diuretics on (abst)....257
Para-aminohippurate
clearance of; vs. hippuran to assess renal plasma

flow 49
transport of; aminoglycoside and, related to histologic site of damage (abst)....212
Parathyroidectomy
iliac crest bone biopsy to predict outcome of hypocalcemia after (abst)....110
Parathyroid hormone
cortical adenylate cyclase activity and (abst)....220
in phosphate reabsorption after transplantation....568
Perfusion techniques
damage of distal nephron during 638
Pericarditis, uremic
intrapericardial steroid therapy for (abst)....118
Peritonitis
peritoneal dialysis and 460
protein losses and; during peritoneal dialysis....593
Phentolamine
effect on glomerular dynamics (abst)....260
Phosphate handling, renal
after renal transplantation....568
ammonium chloride and (abst)....112
1,25-dihydroxycholecalciferol and (abst)....115
during phosphate depletion; effect on phospholipids and glucose pathway in kidney, liver, and skeletal muscle (abst)....109
during phosphorus restriction; early renal brush border adaptation to (abst)....113
glucocorticoid and (abst) 109
hypercapnia and luminal pH's effect on (abst) 116
in chronically denervated rat kidney (abst)....117
in hypophosphatemia without prior phosphate depletion (abst)....117
in patients with hypophosphatemic absorptive hypercalciuria (abst) 115
metabolic acidosis and (abst)....111
nicotinamide adenine dinucleotide to regulate (abst)....112
PTH and prostaglandins' effect on (abst) 115
Phosphocitrate
to prevent nephrocalcinosis induced by phosphate (abst)....110
Plasma flow, renal
renography to assess....49
Platinum
localization and toxicity of (abst) 198
cis-Platinum
chronic tubulointerstitial disease after (abst)....201
treatment of nephrotoxicity from (abst)....183
Pneumococcal vaccination
for chronic renal disease and allograft recipients (abst)....124
Polycystic kidney disease
cyst fluid antibiolic levels in (abst) 133
genetic markers and (abst)....123
genetics of (abst) 197
micropolyps in congenital models of (abst)....199
Potassium, mammalian colon handling of
kinetics of secretion (abst)....243
Potassium, renal handling of
extrarenal adaptation of, effect of aging (abst) 231
factors affecting steady-state renal excretion of (abst)....263
in potassium depletion
effect on cardiac sympathetic activity (abst)....214
hyperreninemia and (abst)....170
lysosome formation and lysosomal enzyme activity during (abst)....219
role of rate of administration of (abst)....205
transport at distal nephron 36
Prazosin
for hypertension, racial differences (abst) 177
Prednisone
in idiopathic membranous glomerulonephritis (abst)....388
Pregnancy
AI blockade and (abst)....168
Proadifen
effect on renal response to vasopressin....15
Prostaglandins, renal
antidiuretic hormone and 831, 839, 851
Bartter's syndrome and 87
Conference on....755–880
effect in cellular calcium uptake and renal water excretion 15
electrolytes and 791, 797, 802
hemodynamics of 781, 786
in control of renal blood flow during acute heart failure (abst) 251
kinins and 860, 869
production of (abst)....234
renin-angiotensin system and 816, 822
role in anephric man (abst) 207
synthesis and metabolism of....755, 760, 771
by cortical collecting tubules of rabbits (abst)....223
in glomeruli, effect of converting enzyme inhibitors on (abst)....241
thromboxane synthesis and; cellular origin of (abst)....173
urinary *p.*; related to volume rather than sodium excretion (abst) 234
Prostaglandin E
effect of water diuresis and antidiuresis on excretion of (abst)....257
synthesis of; mediated by bradykinin, effect of osmolality (abst) 263
Prostaglandin H_2 analogue
effect on renal hemodynamics and sodium handling (abst) 171
Protein
glomerular leakage of, in glomerulonephritis, ... 663
loss of; during peritoneal dialysis 593
protein-energy ratio; and urea synthesis in moderate uremia....648
Proteinuria
glucocorticoid enhancement of (abst)....218
nephropathic cystinosis with, glomerular pathology (abst)....189
prostaglandin's effects in (abst)....131
Pseudohypoaldosteronism
chloride transport in 716
Psoriasis
dialysis to treat (abst) 103
Pyelonephritis
and infection, renal scarring, and antimicrobial therapy 654
experimental results from Turkey (abst) 104
immunology of
with antibody coating of bacteria in urine....65

with live vs. heat-killed bacteria in primate 297
with tubular cells 275
Pyridoxine therapy
in chronic renal failure; daily requirements for 694

Quinidine
effect on hydroosmotic response of collecting tubules (abst) 248

Renal artery disease
atherosclerotic and fibrous r.a.d., natural history of (abst) 175
extracorporeal microvascular reconstruction and autotransplantation for (abst) 173
Renal biopsy
arteriographically controlled (abst) 138
clinical value of; in adults over 50 yr (abst) 131
ultrasonic detection of complications after (abst) ...139
Renal blood flow
in ischemic acute renal failure in dog 503
prostaglandins and ..... 170 (abst), 781
Renal cell ultrastructure
during ontogeny and compensatory hypertrophy, new technique (abst) 240
Renal disease
chronic *r.d.*; plasma aldosterone levels in (abst) 167
end-stage *r.d.*
adrenal androgens in (abst) 218
Cox proportional hazards model to study survival in (abst) 161
long-term dialysis on left ventricular ejection fraction in (abst) 142
mortality data for (abst) 136
primary etiology of (abst) 136
sporadic osteolysis with, on chronic dialysis (abst) 134
survival data for (abst) 139
proximal tubular "memory" in (abst) 200
unconventional bacteria in urinary tract disease and 58
Renal failure, acute
acetylcholine's effect on early phase of 399
after angiography (abst) 216
ATP tissue uptake in (abst) 213
cefoxitin and (abst) 137
chelation treatment for plumbism in children (abst) 208
cortical amino acid in (abst) 207
distal chloride delivery during development of (abst) 206
endotoxin desensitization to protect from (abst) 204
effect of cis-platinum, mercury, and glycerol on (abst) 196, 204, 209
GFR decrease in (abst) 217
glomerular contractile response to AII when prior insult protects against (abst) 217
hypercalcemia during diuretic phase of (abst) 127
hyponatremia and osmotic pressure in (abst) 211
hypothalamic-pituitary gonadal axis in men with (abst) 131
induced by diethylaminoethyl dextran 424
intestinal Na-K-ATPase in (abst) 194
ischemic *a.r.f.*
effect of prior furosemide infusion on (abst) 202
enzymuria to predict (abst) 119
hemodynamic and single nephron function during maintenance phase of 503
renal hemodynamics and oxygen consumption during postischemic phase of 306
vascular function and histology in (abst) 208
mannitol to protect against gentamycin toxicity in (abst) 208
myohemoglobinuric *a.r.f.*
circulating factor in (abst) 206
in chronic ethanol abuse (abst) 123
verapamil and (abst) 203
nonoliguric *a.r.f.*
renal concentration defect in (abst) 201
residual renal function in (abst) 204
rhabdomyolysis-induced, effect on calcium metabolism (abst) 114
podocyte changes early in (abst) 214
prostaglandin synthesis in (abst) 215
splenectomy protection reversed by indomethacin in (abst) 208
thyroid hormone indices of (abst) 129
related to radiographic contrast media (abst) 120
renal vascular sensitivity to (abst) 197
role of impermeant solutes in (abst) 195
saline drinking and (abst) 202, 217
vascular access in (abst) 158
Renal failure, chronic
anemia of
arsenic intoxication in (abst) 207
clonal system assay of steroids for (abst) 128
benzoate's effect on urea metabolism of (abst) 209
body fluid composition in (abst) 194
glycosylated hemoglobin measurements in, with and without diabetes (abst) 132
human pancreatic polypeptide and (abst) 157
hyperlipidemia in (abst) 104
in progressive systemic sclerosis; captopril to treat (abst) 126
jejunal transport of sodium and potassium in (abst) 206
nervous system effects of (abst) 208
nutritional status of nondialyzed patients with (abst) 201
pituitary-thyroid axis in (abst) 125
plasma myoinositol in (abst) 104
predictive value of serum ferritin (abst) 395
pulmonary embolism incidence with (abst) 133
pyridoxine therapy in 694
salt sensitivity of blood pressure in (abst) 168
serum vanadium concentration in (abst) 215
urinary hydroxyprolin in (abst) 105
vancomycin in (abst) 152
Renal failure, end-stage
tubular blockade by combined diuretic therapy in (abst) 132
Renal failure, moderate
duodenal mucosa in, response to $1,25(OH)_2D_3$ 324
Renal hemodynamics
during postischemic acute renal failure 306
Renal insufficiency, chronic
disposition of oral potassium in (abst) 205
magnification phenomenon of (abst) 199
Renal scarring

and pyelonephritis....654
Renin system
chloride and potassium depletion's effect on (abst)....000
effect of potassium depletion on (abst)....169
in exaggerated natriuresis (abst)....171
noninhabitable activation of, by rabbit and sheep plasma (abst)....393
phasic secretion of (abst)....176
role of prostaglandins in osmotic-induced changes in release of (abst)....258
stimulated by PGI_2 in rat glomeruli (abst)....164
transmembrane sodium gradient and release of (abst)....171
Renin-aldosterone system
in acute nephritic syndrome....445
Renin-angiotensin system
prostaglandins' effect on....816, 822
Renography
renal plasma flow assessed by....49
Renovascular disease
transluminal angioplasty in (abst)....174
Reticuloendothelial system
heterogeneity of when treated with polynucleotides (abst)....179
Rhabdomyolysis
clinical spectrum of (abst)....129

Salmonella Minnesota Re 595
to study immune system of tubular cells....275
Sexual dysfunction
in males with uremia....317
Shwartzman reaction
AI and (abst)....199
Sialic acid
glycoconjugates of, in brush border (abst)....223
Sialoproteins
from rat glomerulus....553
Sodium, renal handling of
cisplatin's effects on....8
in distal tubule; effect of aldosterone on transepithelial PD....678
in tight junctions of Necturus gallbladder (abst)....232
role of liver in (abst)....252
Sodium chloride, renal handling of
in osmotic diuresis....431
peritubular protein removal and (abst)....232
prostaglandins' effect on....797
Sodium-potassium-ATPase
in nephron during mineralocorticoid stimulation (abst)....241
Splenomegaly
in patients on regular hemodialysis (abst)....619
Staphylococcal toxic shock syndrome
renal effects of (abst)....123
Succinate
in intact dog kidney (abst)....221
Syndrome of hyporeninemic hypoaldosteronism
clinical characteristics of (abst)....138
intrarenal hormones in (abst)....166
Syndrome of inappropriate antidiuretic secretion
basal ganglia calcification and hypernatremia with (abst)....119

Tam-Horsfall protein
in porcine reflux nephropathy (abst)....187
serum protein crossreactive with (abst)....619
Taurine, dietary
effect on renal taurine transport (abst)....229
Thromboxane A_2
hydronephrotic kidney and (abst)....224
Tobramycin
effect on glomerular function....288
in continuous ambulatory peritoneal dialysis (abst)....393
Toluene
renal effects of (abst)....112
Transcapillary fluid movement
and protein movement in intestine (abst)....259
Transplantation, renal
allografts
de novo membranous nephropathy in, immune complex study (abst)....192
Ia antigens and (abst)....392
lymphocyte chemotaxis in (abst)....182
prolongation with polyamine enzyme inhibitor (abst)....264
rejection of; posttransplant blood transfusions and (abst)....390
survival and antithymocyte globulin in....438
ultrasound for biopsy of....471
alloimmune memory cells and (abst)....271
antibodies to legionella pneumophila and Pittsburgh pneumonia agent in (abst)....268
autoantibodies against fibroblasts in recipients for (abst)....390
β_2 microglobulin as guide to dysfunction after (abst)....270
β-2-microglobulin monitoring after (abst)....267
cadaveric transplants; blood transfusion and graft survival in (abst)....391
circulating immune complexes before and after....332
Collins-2 solution and tubular function (abst)....264
cyclosporin A in cadaver allografts (abst)....265
glucose tolerance in (abst)....264
hyperparathyroidism after (abst)....268
hypertension of, and steroid therapy (abst)....104
hypophosphatemia and (abst)....111
in Alport's syndrome development of anti-GBM glomerulonephritis (abst)....269
incidence and significance of focal segmental glomerulosclerosis in (abst)....268
in diabetic patients
decreased secondary hyperparathyroidism after, and effect of aseptic necrosis (abst)....271
with primary cadaver transplants, prospective study (abst)....271
with proximal tubular dysfunction and insulinuria (abst)....266
with related donor and donor-specific transfusions (abst)....266
indium-111 platelet scanning after (abst)....619
influence of HLA-haploidentity on survival of grafts from living related donors (abst)....269
inorganic phosphate handling by (abst)....116
lipids and....625
living related donors and, in Turkey (abst)....103
long-term alternate-day steroid therapy in (abst)....265

long-term survival rates and risk factors with intrafamilial (abst) 270
lymphocyte subpopulations in (abst) 267
oral phosphate after (abst) 108
phosphate reabsorption after 568
prednisone vs. prednisolone in (abst) 266
recurrence of focal segmental glomerulosclerosis in children after (abst) 270
recurrent glomerulonephritis in (abst) 265
regional kidney-sharing program for highly sensitized patients and (abst) 269
rejection of
antigenic anatomy of kidney and (abst) 485
antithymocyte globulin to prevent (abst) 266
lymphocyturia and (abst) 268
pretransplant cell-mediated lympholysis assay to predict (abst) 267
pretransplant donor-specific transfusions and (abst) 264
serum β_2 microglobulin as marker for (abst) 269
therapy against, in children (abst) 270
related donor and long-term effects (abst) 271
renal artery stenosis of; percutaneous transluminal dilatation (abst) 395
report from Turkey (abst) 103
role of lectin-activated splenic suppressor cells in transplant immunity (abst) 267
sonographic evaluation of kidney after (abst) 265
surgical complications in (abst) 104
Triiodothyronine
effect on renal handling of potassium and sodium (abst) 248
Tuberculosis, renal
and renal failure (abst) 619
Tubular acidosis, renal
marble bone disease and mental subnormality with (abst) 121
nonazotemic type 4; urinary citrate, calcium excretion, and nephrocalcinosis in (abst) 132
Tubular necrosis, acute
phospholipid metabolism in (abst) 214
Tubular obstruction
and acetylcholine's effect on acute renal failure 399
Tubules, connecting
morphometric analysis of cells and extracellular channels in (abst) 262
Tubules, cortical collecting
influences on potassium secretion across (abst) 258
potassium secretion by, in adrenalectomized rabbits (abst) 262
vasopressin's effect on 705
Tubules, distal
acidosis, pathogenesis of 1
effect of lumen pH on potassium transport in (abst) 258
effect of luminal chloride on potassium secretion by (abst) 260
electrophysiology of 24
structure-function study of 36
transepithelial PD of; aldosterone's effect on 678
Tubules, proximal
anion transport and cell pH in (abst) 246
antigen FxlA in; metanephric organ culture (abst). 179
bicarbonate permeability of (abst) 229
carbonic anhydrose inhibition and volume expansion in (abst) 237
chloride transport across basolateral membrane of (abst) 242
cimetidine secretion by (abst) 249
intracellular pH regulation in, in salamander (abst) 233
intracellular sodium activity in, in salamander (abst) 255
isolation of pure suspension of (abst) 395
magnesium influx and volume expansion of (abst). 253
membrane potentials of (abst) 231, 247, 259
orthograde perfusion of; feedback responses during (abst) 235
oxalate secretion in (abst) 247
oxidative metabolism and transport in (abst) 243
phosphate reabsorption in; role of nicotine-adenine dinucleotide in (abst) 108
potassium activity in (abst) 232, 246, 261, 263
potassium, sodium, and water space measurements in (abst) 233
pure suspension of (abst) 227
sodium-hydrogen ion exchange in, in rabbit (abst). 256
sulfate transport by, in rabbit (abst) 234
urate transport in (abst) 236, 257, 258, 261 (2)
Tubules, renal
acidifying defect of; in tubulointerstitial disease of lupus nephritis (abst) 125
aldosterone's effect on Na-K-ATPase in (abst) 238
immunology of; with lipid A 275
small proteins' effect on absorption by (abst) 259
sodium handling by; after renal microvascular obstruction (abst) 393
Tubuloglomerular feedback
role of macula densa cytoplasmic calcium in(abst). 231

Ultrasound
for renal allograft biopsy 471
Uranyl nitrate
in nephrotoxicity, influence of age (abst) 211
Urate, renal
high-performance liquid chromatography to measure 83
in cortical microvillus membrane vessicles of dog (abst) 245
Urea
cisplatin's effects on transport of 8
prostacyclin's effect on clearance of (abst) 155
role in developing concentrating ability in neonatal rat (abst) 249
synthesis of; in moderate experimental uremia 648
Ureaplasma urealyticum
in urinary tract disease 58
Uremia
colonic changes in (abst) 122
dialyzable serum factors and insulin resistance of (abst) 150, 226
effect of PTH in (abst) 118, 194, 210, 217
hypertriglyceridemia studied in (abst) 212
hypoalbuminemia and (abst) 205
lipids in 625
male sexual dysfunction with 317
moderate *u.*; urea synthesis in 648

muscle degradation in (abst) 216
natriuresis of, effects of water immersion on (abst) . 212
pericarditis of; positive immune staining of (abst) . 124
polymorphonuclear leukocyte function in (abst) 620
red cell deformability in (abst) 219
serum phenytoin in (abst) 120
testosterone in Leydig cells in (abst) 195
tubular phosphate transport in (abst) 218
zinc deficiency in (abst) 153
Ureteral obstruction
changes in GFR during 603
Urinary bladder
aldosterone-induced proteins and sodium transport in, in toad (abst) 241
effect of trifluoperazine on, in toad (abst) 247
extracellular calcium effect on water permeability of, in toad (abst) 243
ion transport as pacemaker of cellular metabolism in, in toad (abst) 238
of turtle; hydrogen-ion-secreting cells of 491
vasopressin's effect on intracellular pH, in toad (abst) 234
Urinary tract disease
Ureaplasma urealyticum in 58
Urinary tract infections
β_2-microglobulin excretion in (abst) 137
netilmicin in (abst) 121
Urine
acidification of
osmolar influences on, in toad (abst) 239
role of deep nephrons and collecting duct in (abst) 235
concentration and dilution; effect of orthovanadate on (abst) 241
enzyme activity in; in nephrotic syndrome 710
P_{CO_2} elevated in; an intrarenal event (abst) 242
prostaglandins in ..... 390 (abst), 755
sodium excretion; effect of medullary tonicity on (abst) 254
renotrophic factors in (abst) 223
Urine-blood P_{CO_2} gradient
in distal tubular acidosis 1

Vanadate
effect on frog kidney (abst) 259
Vasoconstrictors
common pathway for (abst) 167
Vasopressin
arterial pressure and; in renoprival rat (abst) 166
and cell pH (abst) 220
and prostaglandin interactions in epithelial cell permeability to water 831
cellular calcium uptake and 15
effect on isolated perfused human collecting tubule 705
effect on plasma osmolality if absent during AII blockade (abst) 238
in maintenance of normal blood pressure (abst) 167
Verapamil
effect on renal response to vasopressin 15
Visual loss
in renal disease (abst) 122
Vitamin B_6 deficiency
and pyridoxine therapy in chronic renal failure 694
Vitamin D
conversion related to age (abst) 108
Vitamin D metabolites
nephron production of (abst) 224
role of skeleton in (abst) 116
24,25-$(OH)_2$ Vitamin D
in bone formation in uremia (abst) 110
25-OH-Vitamin D
urinary excretion of, in health and nephrotic syndrome (abst) 116
1,25-$(OH)_2$ Vitamin D_3
and glucocorticoids, effect on calcium and phosphate transport (abst) 112
effects in healthy adults (abst) 113
effect on duodenal mucosa in renal failure 325
for children with chronic renal disease (abst) 122
turnover and action of (abst) 109
Volume expansion
effect on nephrogenous cAMP (abst) 243

Water
renal excretion of; prostaglandins and 15
renal metabolism of
effect of chronic converting enzyme inhibition on (abst) 232
prostaglandins' effect on 831, 839, 851
renal reabsorption of; in osmotic diuresis 431
renal transport of; dopamine and, in toad bladder (abst) 230